REMEDIAL ACTION COMPLETION REPORT
DEBRIS, SLUDGE, AND MIXED-CONTAMINANT SOIL REMOVAL

Appendices A-I

Wildwood Property
Wells G & H Superfund Site
Woburn, MA

Prepared For:

BEATRICE COMPANY

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RETEC Project No.: 3-0947-730

MARCH 1995

LIST OF APPENDICES

APPENDIX A

DEBRIS INVESTIGATION

This appendix was originally presented in the Predesign Investigation Report (RETEC, 1993) Section 4.2.

4.2 DEBRIS INVESTIGATION

In order to determine disposal plans for the debris (e.g., recycling, treatment or disposal), more information was required regarding the location, extent, and estimated volume of each type of material; chemical characterization of any materials associated with drum carcasses; and classification of debris into an appropriate number of categories based on likely disposal locations. Debris found on site included rusted barrel remnants, scrap metal, scrap wood, waste construction materials, tires, cans/containers, and refuse. For the inventory, seven categories were defined to generally classify site debris as follows: metal, wood, construction debris, refuse, debris soil, liquid waste, and intact drums.

The debris investigation was initiated by establishing a site grid, and conducting an inventory of the debris in each grid. Debris piles were investigated individually by excavating trenches across them with a backhoe. An inventory of all drum carcasses was also conducted. The southern portion of the Wildwood Property, adjacent to an auto parts yard, was investigated separately. Here, the site grid was modified and an inventory of the area was conducted including the excavation of several test pits.

4.2.1 Grid Inventory

The first task of the debris investigation was dividing the site into a grid consisting of 100-foot by 100-foot cells to systematically investigate the site and accurately reference debris locations (Figure 4-3). A baseline was surveyed along the center of the site access road, and the cell corners were located by surveying and taping from the baseline. To verify that cell corners were located accurately, the diagonal distance was measured on several cells. Individual grid corners were marked with two wooden stakes painted yellow; one permanent stake was driven flush with the ground, and a second tall stake was installed to facilitate locating the flush stake in wooded areas. Dimensions of cells bordering wetlands were altered such that all cell boundaries were on dry land.

After the site grid was surveyed, each grid cell was inventoried for debris contents. Most cells were subdivided into approximately located quarters to facilitate traversing dense vegetation and locating debris more accurately within a cell. Each cell was traversed from north to south or east to west in parallel passes approximately six to ten feet apart. The ground along the traverse was visually inspected for debris. Debris was classified within one of seven different categories (metal, construction debris, wood, refuse, debris soil, liquid waste, or intact drums) as outlined

in the PDWP.

After the cell debris inventory was completed, soils beneath the vegetative mat were inspected at ten locations within each cell to locate any unidentified sludge or debris. The soil inspection consisted of digging a hole 1 to 1.5 feet deep, monitoring the excavated soil with a PID, and describing the soil. The hole was then backfilled and marked with a yellow flag. The yellow flags, approximately one foot high, were labeled with the cell number and soil inspection number, e.g. "23-1" denoted Cell 23, soil inspection location number 1. The approximate flag locations were sketched with the debris pile location sketches in field note books. Fewer than ten soil inspections were conducted in smaller cells, such as those cells adjacent to wetlands, or in those cells that contained mixed-contaminated soils as these areas are to be excavated as part of the soil remedy for the site.

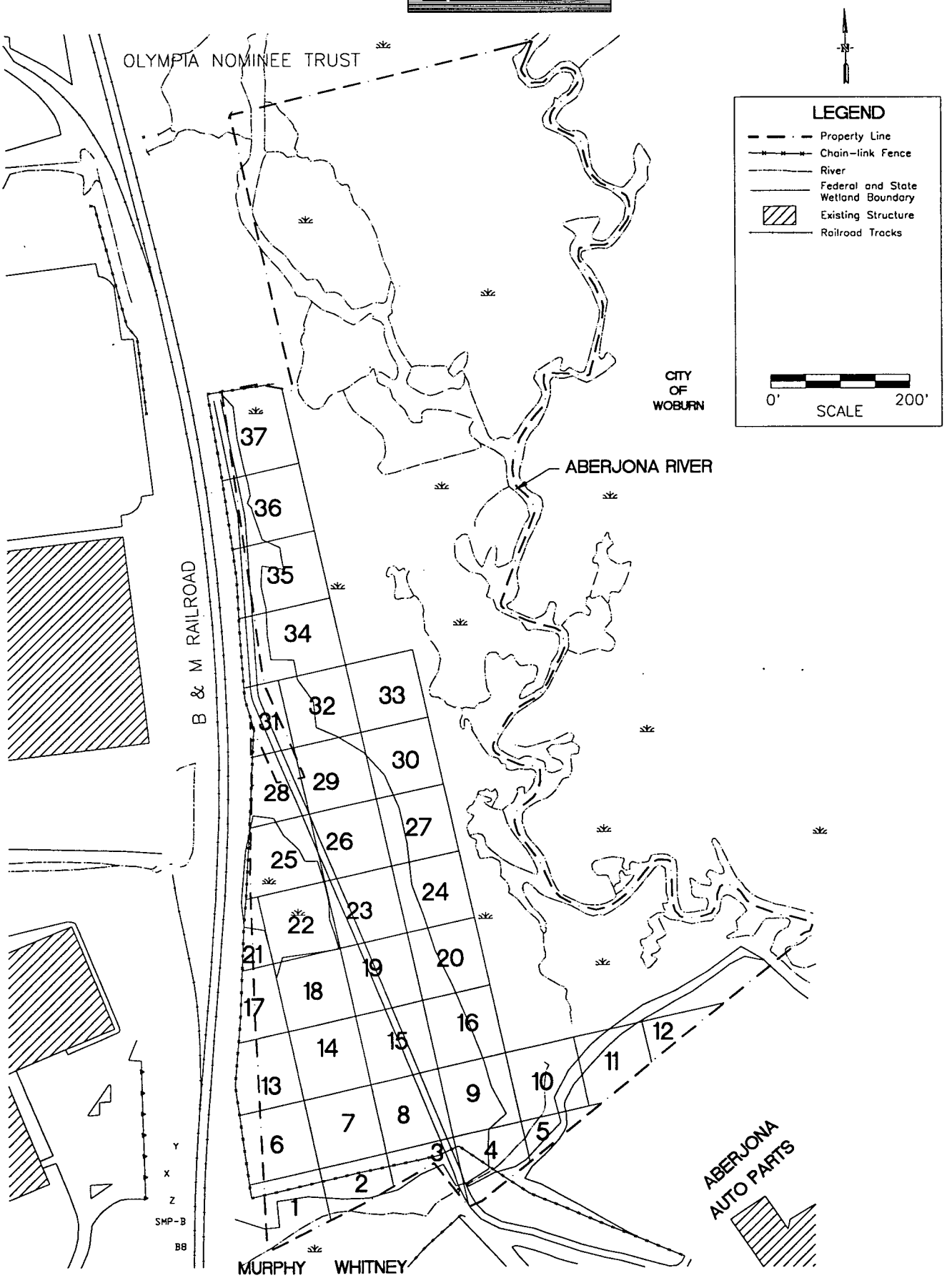
4.2.2 Debris Piles

A second phase of work involved recording a detailed inventory of 13 piles of debris to determine if any drums or other debris of concern were buried within the piles, and to more thoroughly describe their contents. Piles of debris were identified from the cell inventories described above, and debris piles were assigned an order in which to be investigated. The locations of the debris piles are presented in Figure 4-4. Exploratory test pits were dug into several of the debris piles with a small excavator. Several pits were also dug adjacent to the piles to determine the elevation of natural grade and to describe surface soils. The field engineer logged the test pit contents and monitored the area with a PID or flame ionization detector (FID). After the test pits were completed, the length, height, and width of each debris pile was measured and located by reference to the site surveying baseline.

4.2.3 Drum Carcasses

Drum carcasses located throughout the site were examined for labels and structural condition. No intact drums were observed during the debris investigation. Individual drums were identified with a number painted on each carcass, measured, and photographed. The identification number indicated the grid cell number and drum number within the cell. For example, "25-3" denoted Cell 25, drum number 3.

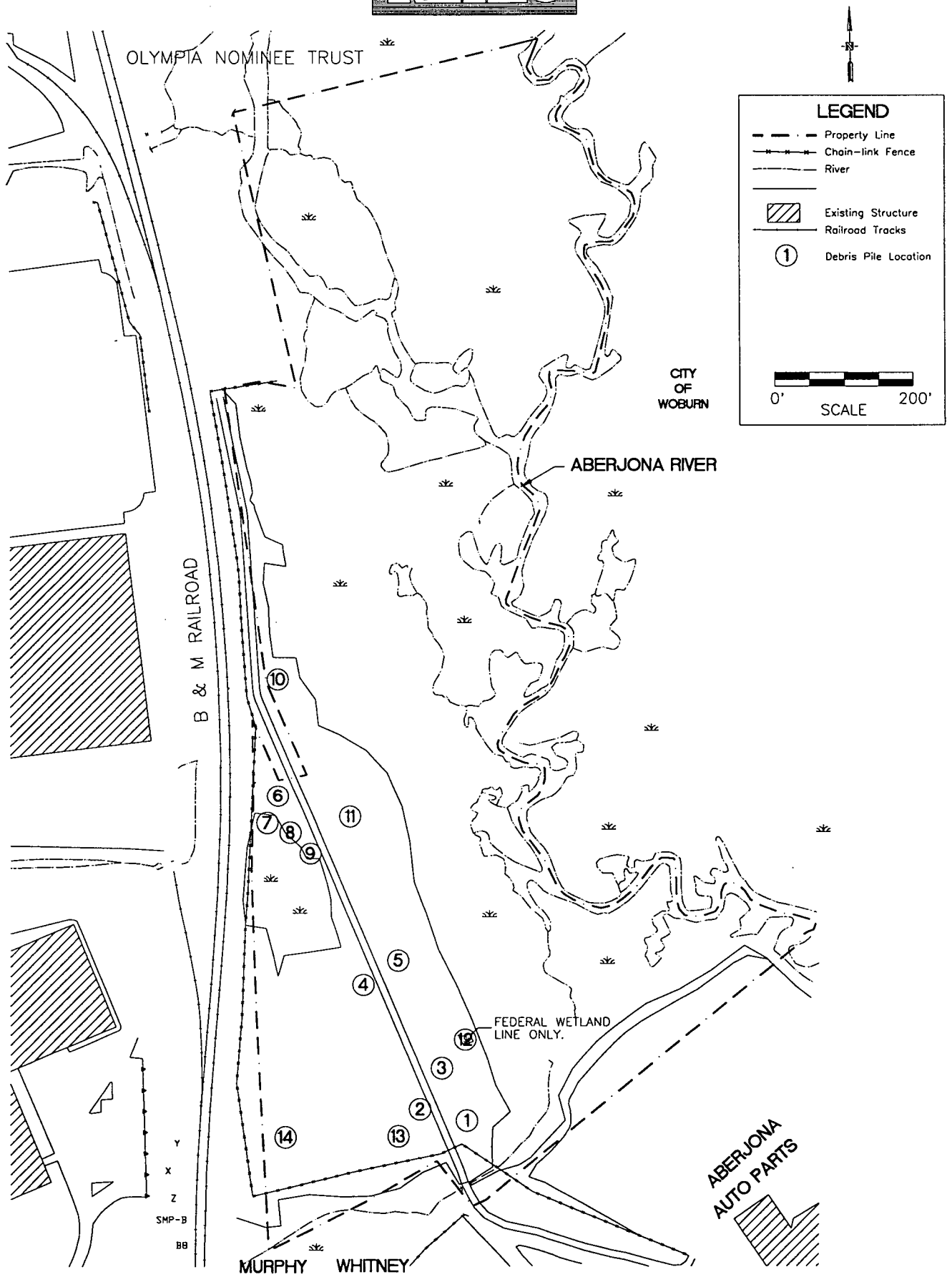
REIEC



SITE GRID

FIGURE
4-3
WILDW3.DWG

REIEC



DEBRIS PILE LOCATIONS

FIGURE 4-4

WILDW3.DWG

4.2.4 Area Adjacent to the Auto Yard

The southeastern edge of the Wildwood Property presently used by the Aberjona Auto Parts business was also included in the debris inventory. This area was divided into an eastern and a western parcel. The area was photographed and debris volumes were estimated by general category. Several test pits were excavated on the portion of the auto yard not covered by automobiles, tires, and other car parts.

4.2.5 Results of Debris Grid Inventory

Varying volumes of debris were observed in many locations of the Wildwood Property. Debris was encountered on 25 of the 37 grids. A summary of debris observed during the grid inventory is presented in Table 4-2.

Wood comprised the largest volume of debris and included lumber, timbers, shingles, pallets, railroad ties, a set of stair remains, and miscellaneous marker stakes. The materials that were classified as metal were items solely of metal that could be scrapped and potentially recycled. Some of the items found on the site included empty drum carcasses and drum rings, window and door frames, pipes, sheet-metal, buckets and pails, license plates, and miscellaneous car remains and parts. None of these materials screened with a PID indicated VOCs above background levels.

The items separated into construction debris included concrete, bricks, plaster, and any heating and electrical parts. The site contained small amounts of refuse scattered all over the site. Refuse included items such as plastic materials, soda and beer cans, paper products, rubber products, leather, textiles, tires, and glass. Debris soil was primarily contained within the debris piles throughout the site.

4.2.6 Soil Inspections

At ten locations in each grid cell, shallow hand excavations were conducted to characterize soil and locate unidentified sludges and debris. The soils observed in these shallow hand excavations generally consisted of sand and gravel with varying amounts of humic material. The percentage of gravels and coarser-grained deposits were highest along the western border of the site, particularly in the southern and central portions of the Wildwood Property at slightly higher elevations than the rest of the property. The concentration of humic material increased with

Table 4–2
Debris Inventory
Wildwood Property
Wells G & H Site

Grid Cell #	Volume of Material (yd3)				
	Wood	Metal	Construction Debris	Refuse	Soil
1	–	–	–	–	–
2	–	–	–	–	–
3	9.0	2.5	10.0	1.0	5.0
4	–	–	–	–	–
5	–	–	–	–	–
6	0.5	0.3	0.3	0.1	–
7	–	0.5	0.5	0.1	–
8	25.0	3.0	1.5	1.5	10.0
9	21.0	1.5	6.0	1.5	7.0
10	–	–	–	–	–
11	–	–	–	–	–
12	–	–	–	–	–
13	–	–	–	–	–
14	–	3.0	3.0	–	–
15	2.0	1.0	–	0.5	–
16	4.0	1.0	–	0.5	–
17	–	–	–	–	–
18	0.3	1.0	1.0	–	–
19	18	6.0	6.0	3.0	27.0
20	–	–	–	–	–
21	1.0	2.0	1.0	–	–
22	1.0	1.0	1.0	12.0	–
23	0.5	0.5	0.5	–	–
24	–	–	–	–	–
25	3.0	5.0	1.5	0.5	2.0
26	5.0	3.0	1.0	–	3.0
27	–	–	–	–	–
28	8.0	3.0	1.0	1.0	10.0
29	–	1.0	1.0	1.0	–
30	–	–	–	–	–
31	1.0	4.0	1.0	1.0	–
32	5.0	1.0	3.0	–	–
33	–	–	–	–	–
34	2.0	2.0	1.0	–	–
35	3.0	2.0	–	0.5	–
36	1.0	–	–	–	–
37	1.0	–	–	–	–
TOTALS	111.3	44.0	40.3	24.2	67.0

proximity to the wetland of the Aberjona River.

Soils removed from each of the hand excavations were screened with a PID. Concentrations of VOCs were found to be at background concentrations with ten exceptions. Each of the ten soil inspections with PID screening results above background concentrations were within areas of VOC-impacted soils or in the vicinity of sludge locations. The soil at Location 4-4 (grid cell 4, excavation 4) showed concentrations of 2.1 ppm. The PID measured 4.6 ppm from soils removed from Location 9-5. Grid 14 had two excavations with PID readings above background concentrations, Location 14-7 at 2.0 ppm and Location 14-10 at 20 ppm. Grids 15, 32, and 34 had one location each with PID readings above background concentrations, Location 15-4 with 2.2 ppm, Location 32-2 with 1.0 ppm, and Location 34-3 with 1.6 ppm. Grid 35 had three locations with PID readings above background. Location 35-1 showed concentrations of 1.6 ppm, Location 35-3 showed concentrations of 7.2 ppm, and Location 35-4, which was excavated into a sludge identified during the RI (SL-10), showed a concentration of 15 ppm.

4.2.7 Debris Piles

In addition to small volumes of debris scattered about the site, 13 debris piles were investigated during the inventory. The debris piles consisted primarily of soil, wood and construction debris with lesser volumes of other debris types. Debris piles with larger proportions of soil often appeared to be built up by a bulldozer. Other debris piles contained less soil, and appeared to have been piles left after emptying a truck. The largest debris pile was located in grid 28 (debris pile 6), which contained auto parts, sheet metal, wood timbers, drum carcasses, tires, shingles, and numerous other types of construction debris. In grid 16, a small excavation was investigated that consisted primarily of wooden timbers (debris pile 12). A summary of observations made during the debris pile investigation is presented in Table 4-3.

4.2.8 Drum Carcasses

Approximately 47 drum carcasses in ten grids were observed during the debris investigation. The drums carcasses were found in conditions ranging from moderately rusted and weathered to completely broken apart. No intact drums were observed during the debris investigation. In most cases, the drums appeared empty with the exception of fallen leaves and rainwater collected in the bottoms. A few drums were found to contain some debris or had noticeable quantities of residues in the bottoms and on the sides.

Table 4–3
Debris Pile Inventory
Wildwood Property
Wells G & H Superfund Site

Pile #	Cell #	Dimensions	Description
1	8/9	5' x 15' x 3'	60% wood (burned timbers, plywood), 15% soil (gravel), 15% construction debris (concrete block, concrete filled pipe) 5% metal (wheel rims, cable, drum lids), 5% refuse
2	8	6' x 6' x 3'	80% wood (burned timbers), 10% metal (piping), 5% construction debris (asphalt, rubber, plastic)
3	8	10' x 10' x 4'	90% wood (burned timbers and smaller boards), 5% metal (drum lids), 5% construction debris (tires, plastic)
4	19	50' x 8' x 2'	50% soil (gravel), 30% wood (large timbers), 15% construction debris (metal and concrete), 5% refuse
5	19	50' x 6' x 2.5'	50% soil (gravel), 25% construction debris (concrete, tires, drum lids), 20% wood (burned timbers), 5% refuse
6	28	23' x 23' x 2'	30% metal (drum carcasses and sheet metal), 30% wood timbers, 20% soil (mostly gravel), 5% construction debris (tires, shingles), 5% refuse (plastic, cans, and bottles)
7	28	15' x 4' x 1.5'	50% soil, 50% concrete filled pipe
8	25	20' x 15' x 1'	50% metal, 40% wood, 3% rubbish, 2% construction debris
9	25	10' x 2' x 1'	50% wood, 40% metal, 10% refuse
10	31–32	20' x 35' x 3.5'	90% soil, 5% drum carcasses, 5% refuse
11	26	10' x 2' x 1'	50% wood (timbers), 25% metal (piping), 25% soil
12	16	14' x 14' x 3'	excavation filled with 95% wood (timbers), 5% refuse (ladder, plastic toy, glass)
13	26	6' x 6' x 2.5'	85% gravel, 10% metal (sheeting, refrigerator parts), 5% refuse

The largest collection of drum remnants were observed in Grid 28, where 16 drums were counted. Contents of these drum remnants included leaves, water, plastic, and debris. One drum appeared to contain a yellow powder, similar to the yellow material observed during the supplemental sludge investigation. A summary of observations made during inspection of drum carcasses is presented in Table 4-4.

Portions of four drums were observed within a debris pile along the access road adjacent to the auto parts yard. Only a small portion of these drums were visible, with the remainder of the drum buried within the debris pile. These drums will be further investigated as the debris pile is dismantled.

4.2.9 Area Abutting the Auto Yard

The grid system along the portion of the Wildwood Property abutting the Aberjona Auto Parts property was modified to facilitate the debris inventory in this location. This area was divided into western and eastern halves.

The western parcel contained a large tire pile approximately ten to fifteen feet high located along the Aberjona Auto Parts property line. The pile was approximately 60 feet long and 25 feet wide. Metal debris was also present in this parcel. Adjacent to the tire pile was a dumpster containing car parts, containers, and other miscellaneous debris. Approximately 20 cubic yards of wood and 20 cubic yards of metal debris were also scattered around the area.

Debris in the eastern parcel consisted primarily of old automobiles. Approximately 20 vehicles were present on the portion of the Aberjona Auto Parts lot owned by Wildwood Conservation Trust. This lot was being actively operated by the auto parts shop as a storage lot at the time of the debris inventory. Also present on this portion of property were approximately five cubic yards of tires, three cubic yards of metal debris other than the automobiles, and approximately two cubic yards of refuse.

Two test pits were excavated in these grids. The first test pit excavated was located on a mound approximately two feet above the rest of the property, 92 feet west of monitoring well BSSW-16. The test pit was three feet square and approximately 2.5 feet deep. A number of items were found mixed with the soil excavated from the test pit. These items included an automobile bumper, gas tank, hub cap, wheels, automobile chrome trim, brake drums, hoses, rope, and waste wood. There were no readings above background on a PID during the excavation. All test pits

were backfilled with the excavated material.

A second test pit was excavated 50 feet southwest of the S77 well cluster at the northeast corner of the auto parts yard. This test pit was six feet long, three feet wide, and two feet deep. The soil was a brown, medium to coarse sand, with fine, medium, and coarse gravel, and had mixed cobbles throughout. The soil appeared to be clean fill and did not look impacted by Aberjona Auto Parts operations. No readings above background levels were recorded with the PID.

Table 4–4
Drum Inventory
Wildwood Property
Wells G & H Superfund Site

Grid Cell #	Drum Labeled	PID/OVA (ppm)	Description
3	3–1	0.2	rusted, crushed, contained plastic debris
	3–2	0.4	crushed
4	4–1	0.3	rusted open
	4–2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
16	16–1	NM	1/2 deteriorated, 1/4 full of water
25	25–1	0.0	metal, rusted, open, 10–gal cardboard container within
	25–2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25–3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25–4	0.0	mostly intact, bung open, contents unknown
	25–5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26–1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26–2	NM	open top, 1/3 full, glass, black sludge
28	28–1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28–2	6.0	30 gal, top rusted off, contents unknown
	28–3	0.8	rusted, crushed and full of plastic sheeting
	28–4	0.0	open top, rusted open, crushed; contains leaves
	28–5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28–6	5.0	2/3 buried, largely deteriorated, surrounded by tar–like sludge
	28–7	0.0	open at bung, contents unknown
	28–8	7.0	badly rusted, 1/3 full yellow–brown powder
	28–9	0.0	open at bung, contents unknown
	28–10	0.0	open at bung, contents unknown
	28–11	0.0	open at bung, bulged middle
	28–12	0.0	open at bung
	28–13	3.0	rusted open; 1/4 full of yellow powder
	28–14	0.0	open at side bung, bulged, yellow powder
	28–15	NM	rusted through, yellow powder
	28–16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31–1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
	31–2	0.2	bung holes open, 1/8 full of unknown liquid
	31–3	0.0	open top, side rusted; empty
	31–4	0.0	open top, contains liquid, hose, and soil
	31–5	0.0	rusted open, open top; contains soil & organic matter
32	32–1	1.0	bulging, rusted open; no contents
34	34–1	0.0	rusted, split in half
	34–2	0.8	open top, half crushed
	34–3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34–4	0.0	1/2 remanent; contains leaves, soda cans
	34–5	0.0	bottom rusted off, partially full of leaves & dirt
35	35–1	0.2	open top, crushed
	35–2	0.0	closed top, rusted open, no bungs

APPENDIX B

DRUM RESIDUES CHARACTERIZATION

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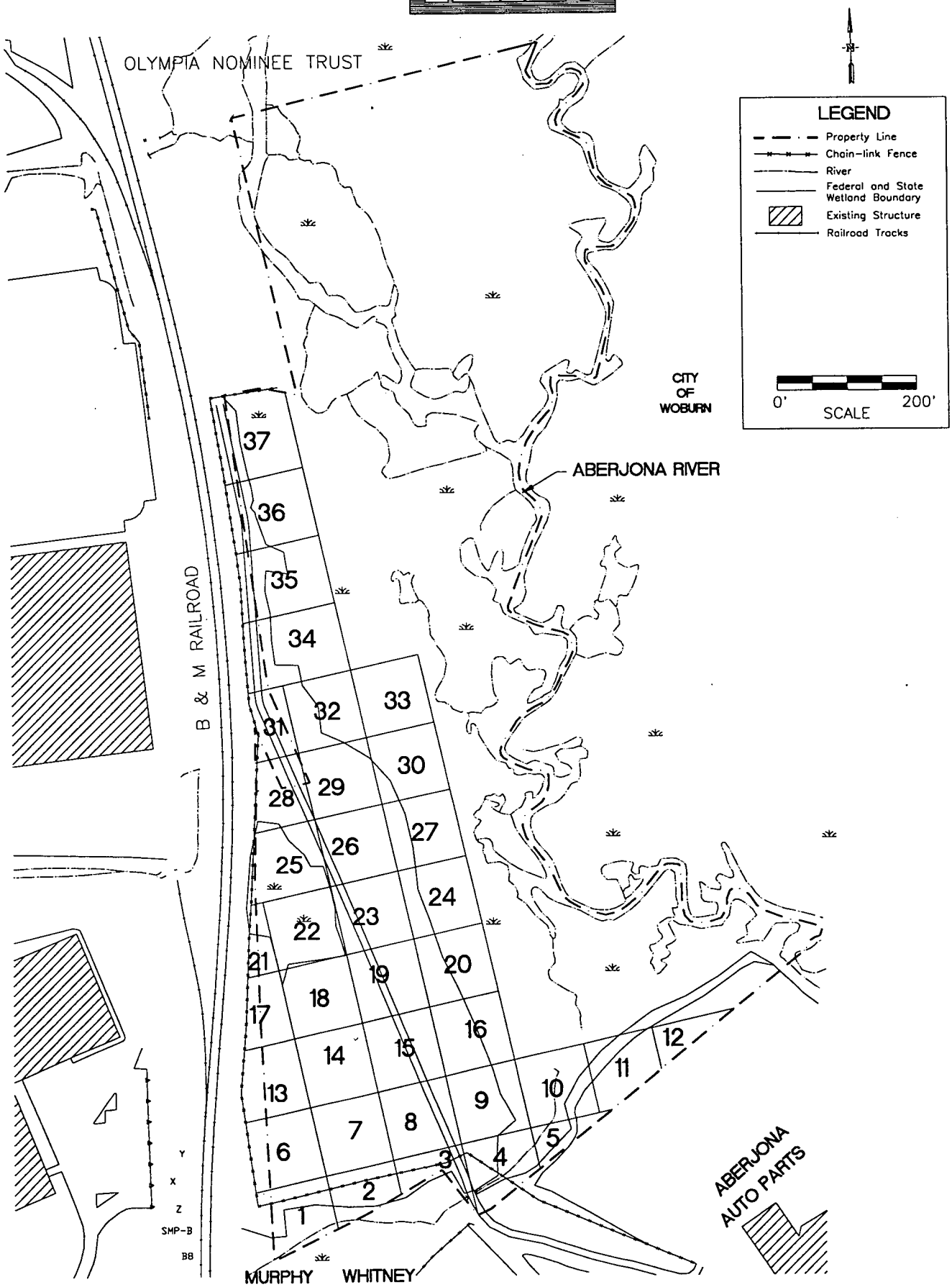


SITE GRID

FIGURE
B-1
WILDW3.DWG

TABLE B-1

Drum Inventory

Wildwood Property
Wells G & H Superfund Site

Grid Cell #	Drum Labeled	PID/OVA (ppm)	Description
3	3–1	0.2	rusted, crushed, contained plastic debris
	3–2	0.4	crushed
4	4–1	0.3	rusted open
	4–2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
16	16–1	NM	1/2 deteriorated, 1/4 full of water
25	25–1	0.0	metal, rusted, open, 10–gal cardboard container within
	25–2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25–3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25–4	0.0	mostly intact, bung open, contents unknown
	25–5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26–1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26–2	NM	open top, 1/3 full, glass, black sludge
28	28–1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28–2	6.0	30 gal, top rusted off, contents unknown
	28–3	0.8	rusted, crushed and full of plastic sheeting
	28–4	0.0	open top, rusted open, crushed; contains leaves
	28–5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28–6	5.0	2/3 buried, largely deteriorated, surrounded by tar–like sludge
	28–7	0.0	open at bung, contents unknown
	28–8	7.0	badly rusted, 1/3 full yellow–brown powder
	28–9	0.0	open at bung, contents unknown
	28–10	0.0	open at bung, contents unknown
	28–11	0.0	open at bung, bulged middle
	28–12	0.0	open at bung
	28–13	3.0	rusted open; 1/4 full of yellow powder
	28–14	0.0	open at side bung, bulged, yellow powder
	28–15	NM	rusted through, yellow powder
	28–16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31–1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
	31–2	0.2	bung holes open, 1/8 full of unknown liquid
	31–3	0.0	open top, side rusted; empty
	31–4	0.0	open top, contains liquid, hose, and soil
	31–5	0.0	rusted open, open top; contains soil & organic matter
32	32–1	1.0	bulging, rusted open; no contents
34	34–1	0.0	rusted, split in half
	34–2	0.8	open top, half crushed
	34–3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34–4	0.0	1/2 remanent; contains leaves, soda cans
	34–5	0.0	bottom rusted off, partially full of leaves & dirt
35	35–1	0.2	open top, crushed
	35–2	0.0	closed top, rusted open, no bungs

TABLE B-2

Drum Characterization
Wildwood Property
Wells G & H Superfund Site

Material	White Powder	Petroleum Jelly	Soil	Brown Clay	Soil & Debris	#2 Fuel Oil	RCRA Empty
Group	A	B	C	D	E	F	G
Drum Carcass Number	28-7	26-1	4-1	25-3	25-5	4-3	4-4
	28-8	26-2	4-2	25-4	28-3	4-6	4-5
	28-9	28-16	4-8	31-1	28-4		4-7
	28-10	31-3	4-9	32-1	28-18		25-1
	28-11	31-4	16-1		28-19		25-2
	28-12	34-2	22-1		31-2		28-6
	28-13	34-3	28-1				
	28-14		28-2				
	28-15		28-5				
	28-17		31-5				
			34-1				
			34-4				
			34-5				
			35-1				
			35-2				

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (203) 645-1102 Fax (203) 645-0823

July 12, 1993

Environmental Waste Tech., Inc.
1039 Chestnut Street
P.O. Box 38
Newton Upper Falls, MA 02164

Attn: Mr. Nichloas Prevosti

SAMPLE ID: AA24441 to AA24447

This laboratory is in compliance with the QA/QC procedure outlined in EPA 600/4-79-019, Handbook for Analytical Quality Control in Water and Waste Water, March 1979, and SW846 QA/QC requirements of procedures used.

If you have any questions concerning this testing, please do not hesitate to contact me.

Sincerely yours,

Sohail Jahani
Laboratory Director

CT Lab. Registration #PH-0618
MA Lab. Registration #CT-007
NY Lab. Registration #11301
RI Lab. Registration #63

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti
Environmental Waste Tech., Inc.
1039 Chestnut St.
P.O. Box 38
Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24447 Location code: EWT
Location Description: Wildwood QC AA24441-24446
Sample collector: N. PREVOSTI
Sample collection date: 06/28/93 Time: 09:00
Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point Analysis QC	see below	---	---
pH Analysis QC	see below	---	---
Sulfide Analysis QC	see below	---	---
AA Metals Analysis QC	see below	---	---
ICP Metals Analysis QC	see below	---	---
Reactive Cyanide QC	see below	---	---
Volatiles (MS) Analysis QC	see below	---	---
Polychlorinated Biph Analysis QC	see below	---	---
Pesticides (GC) Analysis QC	see below	---	---
Semivolatile QC Data (MS)	see below	---	---
Total Org Halogens Analysis QC	see below	---	---
Total Organic Carbon Analysis QC	see below	---	---
Solids by % Analysis QC	see below	---	---
Ash Analysis QC	see below	---	---

Data for Flash Point Analysis QC:

QC BLANK:76 UNITS:F
QC CHECK SAMPLE % RECOVERY:98.7 QC SOURCE: In House (n-propanol)
QC SAMPLE SPIKE % RECOVERY:xxx SPIKED SAMPLE:XXX
QC SAMPLE REPLICATE % CHANGE:5.1 REPLICATED SAMPLE AA24446

Data for pH Analysis QC:

QC BLANK:3.99 UNITS:pH units
QC CHECK SAMPLE % RECOVERY:103.9 QC SOURCE:In House
QC SAMPLE SPIKE % RECOVERY:xxx SPIKED SAMPLE:xxx
QC SAMPLE REPLICATE % CHANGE:0.41 REPLICATED SAMPLE:AA24446

Data for Sulfide Analysis QC:

QC BLANK: 0.0 UNITS:MG/L
QC CHECK SAMPLE % RECOVERY: QC SOURCE:
QC SAMPLE SPIKE % RECOVERY: SPIKED SAMPLE:
QC SAMPLE REPLICATE % CHANGE: 0% REPLICATED SAMPLE: AA24446

Data for AA Metals Analysis QC:

QC Source: ERA9944 Sample ID: AA22799 Analyte	QC Blank (PPM)	QC Check Sample (% Rec.)	QC Spike Sample (% Rec.)	QC Sample Replicate (% change)
AS Arsenic	.<0.01	.101	.115	.ND 0
Hg Mercury	.<0.005	.110	.91.4	.ND 0
Pb Lead	.	.	.	.
Sb Antimony	.	.	.	.
Se Selenium	.<0.01	.113	.105	.ND 0
Tl Thallium	.<0.05	.104	.83.9	.ND 0

Data for ICP Metals Analysis QC:

QC Source:ERA3403 Sample ID: AA24415 AA24407 Analyte	QC Blank (PPM)	QC Check Sample (% Rec.)	QC Spike Sample (% Rec.)	QC Sample Replicate (% change)
Ag Silver	.<0.01	.118	.91.3	.10
Al Aluminum	.	.	.	.
As Arsenic	.	.	.	.
Au Gold	.	.	.	.
B Boron	.	.	.	.
Ba Barium	.<0.01	.113	.91.9	.4.3
Be Beryllium				
Bi Bismuth	.	.	.	.
Ca Calcium	.	.	.	.
Cd Cadmium	.<0.01	.106	.116	.10
Co Cobalt	.	.	.	.
Cr Chromium	.<0.01	.111	.110	.0.8
Cu Copper	.<0.01	.109	.96.2	.6.8
Fe Iron	.	.	.	.
Hg Mercury	.	.	.	.
K Potassium	.	.	.	.
Li Lithium	.	.	.	.
Mg Magnesium	.	.	.	.
Mn Manganese	.	.	.	.
Mo Molybdenum	.	.	.	.
Na Sodium	.	.	.	.
Ni Nickel	.<0.01	.109	.104	.3.0
Pb Lead	.<0.10	.108	.103	.0 nd
Sb Antimony	.	.	.	.

Data for ICP Metals Analysis QC (continued):

Se	Selenium	.	.	.	.	.	.	.	
Si	Silicon	.	.	.	.	.	.	.	
Sn	Tin	.	.	.	.	.	.	.	
Tl	Thallium	.	.	.	.	.	.	.	
V	Vanadium	.	.	.	.	.	.	.	
W	Tungsten	.	.	.	.	.	.	.	
Zn	Zinc	.<0.01	.	.108	.	.96.4	.	.2.5	

Data for Reactive Cyanide QC:

QC BLANK:0 UNITS:MG/L
QC CHECK SAMPLE % RECOVERY:XXX QC SOURCE:XXX
QC SAMPLE REPLICATE % CHANGE:0.0 REPLICATED SAMPLE:AA24447

Data for Volatiles (MS) Analysis QC:

QC Source: TCVOA-1 / Analyte	Matrix Blank (ppb)	Matrix Spike (%Rec)	Matrix Duplic (%Rec)	Replicate Analysis (%Diff)
Benzene	nd	87.9%	86.6%	0.0%
Carbon Tetrachloride	nd	115.9%	111.7%	3.6%
Chlorobenzene	nd	90.1%	82.6%	8.3%
Chloroform	nd	113.9%	106.6%	6.4%
1,2-Dichlorobenz.-d4(Surr)	na	69.9%	68.2%	2.4%
1,4-Dichlorobenzene	nd	108.3%	98.0%	9.5%
1,2-Dichloroethane	nd	93.4%	91.5%	2.0%
1,2-Dichloroethane-d4(Surr)	na	96.3%	95.6%	0.7%
1,1-Dichloroethylene	nd	94.7%	93.9%	0.9%
Methyl ethyl ketone	nd	149.2%	147.1%	1.4%
Tetrachloroethylene	nd	123.4%	120.1%	2.7%
Toluene-d8 (Surr)	na	100.0%	100.0%	0.0%
Trichloroethylene	nd	131.4%	122.7%	6.6%
Vinyl chloride	nd	45.5%	36.8%	19.1%

Data for Polychlorinated Biph Analysis QC:

Analyte	QC Blank ppb	QC Check Sample % Rec.	QC Source	QC Sample Spike %Rec. (AA24444)	QC Sample Rep. Rel. % Diff. (AA24444)
PCB-1016	ND				0%ND
PCB-1221	ND				0%ND
PCB-1232	ND				0%ND
PCB-1242	ND				0%ND
PCB-1248	ND				0%ND
PCB-1254	ND				0%ND

Data for Polychlorinated Biph Analysis QC (continued):

PCB-1260	ND	86%	WS1186	*	0%ND

* Unable to determine spike recoveries due to matrix interference.

Data for Pesticides (GC) Analysis QC:

QC Source: Sample ID: Analyte	Method Blank (ppb)	QC Check Sample (% Rec)	Matrix Spike (% Rec.)	Matrix Spike Dup (% Rec.)	Relative % Diff. (% D)
Aldrin	ND				0%ND
a-BHC	ND				0%ND
b-BHC	ND				0%ND
d-BHC	ND				0%ND
g-BHC	ND				0%ND
Chlordane	ND				0%ND
4,4'-DDD	ND				0%ND
4,4'-DDE	ND				0%ND
4,4'-DDT	ND				0%ND
Dieldrin	ND				0%ND
Endosulfan I	ND				0%ND
Endosulfan II	ND				0%ND
Endrin	ND				0%ND
Endrin aldehyde	ND				0%ND
Endosulfan sulfate	ND				0%ND
Heptachlor	ND				0%ND
Heptachlor epoxide	ND				0%ND
Methoxychlor	ND				0%ND
Toxaphene	ND				0%ND
PCB-1016	ND				0%ND
PCB-1221	ND				0%ND
PCB-1232	ND				0%ND
PCB-1242	ND				0%ND
PCB-1248	ND				0%ND
PCB-1254	ND				0%ND
PCB-1260	ND	90%	*		0%ND
Tetrachloro-m-xylene(surr)					
Decachlorobiphenyl(surr)					

* Due to matrix interference with Chlordane the Ar1260 spike was not recovered.
** Matrix interference with baseline.

Data for Semivolatile QC Data (MS):

QC Source: TCLPSV	Method Blank	Matrix Spike	Matrix Duplicate	Replicate Analysis

Data for Semivolatile QC Data (MS) (continued):

Analysis	(mg/L)	(%Rec)	(%Rec)	(%diff)
2,4-Dinitrotoluene	< 10	91.8%	92.0%	0.3%
2-Fluorobiphenyl (BN-Surr)	81.8%	80.4%	80.5%	0.1%
2-Fluorophenol (A-Surr)	79.9%	59.3%	59.5%	0.4%
Hexachlorobenzene	< 10	94.0%	94.8%	0.9%
Hexachlorobutadiene	< 10	74.7%	75.1%	0.5%
Hexachloroethane	< 10	65.8%	65.8%	0.0%
2-Methylphenol (o-Cresol)	< 10	76.1%	75.8%	0.4%
4-Methylphenol (p-Cresol)	< 10	66.0%	66.1%	0.1%
Nitrobenzene	< 10	86.4%	85.8%	0.7%
Nitrobenzene-d5 (BN-Surr)	83.8%	83.1%	83.2%	0.1%
Pentachlorophenol	< 50	82.8%	83.0%	0.2%
Phenol-d6 (A-Surr)	55.0%	45.0%	45.0%	0.1%
Pyridine	< 10	91.7%	91.3%	0.4%
Terphenyl-d14 (BN-Surr)	103.9%	103.4%	103.4%	0.0%
2,4,6-Tribromophenol(A-Surr)	88.6%	88.0%	88.3%	0.3%
2,4,5-Trichlorophenol	< 10	93.2%	91.4%	2.0%
2,4,6-Trichlorophenol	< 10	100.5%	100.6%	0.1%

Data for Total Org Halogens Analysis QC:

QC BLANK: 0.0 UNITS: MG/KG
QC CHECK SAMPLE % RECOVERY:110% QC SOURCE: IN HOUSE
QC SAMPLE SPIKE % RECOVERY: SPIKED SAMPLE:
QC SAMPLE REPLICATE % CHANGE: 11% REPLICATED SAMPLE: AA24441

Data for Total Organic Carbon Analysis QC:

QC BLANK: 5.85 UNITS: MG/L
QC CHECK SAMPLE % RECOVERY: 113 % QC SOURCE: ERA 9948
QC SAMPLE SPIKE % RECOVERY: 103.9% SPIKED SAMPLE: AA24237
QC SAMPLE REPLICATE % CHANGE : 0% REPLICATED SAMPLE: AA24441

Data for Solids by % Analysis QC:

QC BLANK:0.0 UNITS:%
QC CHECK SAMPLE % RECOVERY:XXX QC SOURCE:XXX
QC SAMPLE SPIKE % RECOVERY:XXX SPIKED SAMPLE:XXX
QC SAMPLE REPLICATE % CHANGE:0.0 REPLICATED SAMPLE:AA24446

Data for Ash Analysis QC:

QC BLANK:0.0 UNITS:MG/L,MG/KG
QC CHECK SAMPLE % RECOVERY:xxx QC SOURCE:xxx
QC SAMPLE SPIKE % RECOVERY:xxx SPIKED SAMPLE:xxx
QC SAMPLE REPLICATE % CHANGE:0.0 REPLICATED SAMPLE:AA24446

If there are any questions regarding this data, please call.

Sohail Jahani
Laboratory Director

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti
Environmental Waste Tech., Inc.
1039 Chestnut St.
P.O. Box 38
Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24441 Location code: EWT
Purchase order number: C-350
Location Description: Wildwood A-4771 White Powder
Sample collector: D. KOLTE Sample collection date: 06/28/93
Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	>200	degree F	200
pH	5.99	pH Units	0.10
Corrosivity Determination	Negative		
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	.09	mg/L	0.01
TCLP Cadmium	Below det lim	mg/L	0.01
TCLP Chromium	.03	mg/L	0.01
TCLP Lead	Below det lim	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim	mg/L	0.01
TCLP Silver	Below det lim	mg/L	0.01
TCLP Copper	.06	mg/L	0.01
TCLP Zinc	17	mg/L	0.01
TCLP Nickel	.07	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	5.2	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	5.0
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	>80,000	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed		
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed		
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0
TCLP Extraction for Pesticides.	Completed		

Parameter	Result	Units	MDL
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	153	mg/kg	0.50
Percent Water	44.53	%	0.01
BTU Value	7471	BTU/LB	100
Ash Solid Matrix	305.0	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	40
a-BHC	Not detected	40
b-BHC	Not detected	40
d-BHC	Not detected	40
g-BHC	Not detected	40
Chlordane	420	400
4,4'-DDD	Not detected	80
4,4'-DDE	Not detected	80
4,4'-DDT	Not detected	80
Dieldrin	Not detected	80
Endosulfan I	Not detected	40
Endosulfan II	Not detected	80
Endrin	Not detected	80
Endrin aldehyde	Not detected	80
Endosulfan sulfate	Not detected	80
Heptachlor	Not detected	40
Heptachlor epoxide	Not detected	40
Methoxychlor	Not detected	400
Toxaphene	Not detected	400
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0
Carbon tetrachloride	Not detected	5.0

Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	Not detected	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	1.3	0.5
Endrin	Not detected	0.1
Heptachlor	Not detected	0.05
Heptachlor epoxide	Not detected	0.05
Lindane	Not detected	0.05
Methoxychlor	Not detected	0.5
Toxaphene	Not detected	1.0

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	300	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2,Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	1,470	20
Ethyl Ether	Not detected	20
Methylene Chloride	6,430	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	20
xylene	Not detected	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani
Laboratory Director

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti
Environmental Waste Tech., Inc.
1039 Chestnut St.
P.O. Box 38
Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24442 Location code: EWT
Purchase order number: C-350
Location Description: Wildwood B-4771 PetroleumJelly
Sample collector: D. KOLTE
Sample collection date: 06/28/93 Time: 09:00
Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	>200	degree F	200
pH	4.77	pH Units	0.10
Corrosivity Determination	Negative		
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	1.4	mg/L	0.01
TCLP Cadmium	0.04	mg/L	0.01
TCLP Chromium	.12	mg/L	0.01
TCLP Lead	2.5	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim	mg/L	0.01
TCLP Silver	Below det lim	mg/L	0.01
TCLP Copper	.39	mg/L	0.01
TCLP Zinc	6.0	mg/L	0.01
TCLP Nickel	.08	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	19	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	4.7
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	>80,000	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed		
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed		
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0

Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	3510	mg/kg	0.50
Percent Water	8.03	%	0.01
BTU Value	11236	BTU/LB	100
Ash Solid Matrix	58.0	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	80000
a-BHC	Not detected	80000
b-BHC	Not detected	80000
d-BHC	Not detected	80000
g-BHC	Not detected	80000
Chlordane	5,100,000.	800000
4,4'-DDD	Not detected	160000
4,4'-DDE	Not detected	160000
4,4'-DDT	Not detected	160000
Dieldrin	Not detected	160000
Endosulfan I	Not detected	80000
Endosulfan II	Not detected	160000
Endrin	Not detected	160000
Endrin aldehyde	Not detected	160000
Endosulfan sulfate	Not detected	160000
Heptachlor	Not detected	80000
Heptachlor epoxide	Not detected	80000
Methoxychlor	Not detected	800000
Toxaphene	Not detected	800000
PCB-1016	Not detected	800000
PCB-1221	Not detected	800000
PCB-1232	Not detected	800000
PCB-1242	Not detected	800000
PCB-1248	Not detected	800000
PCB-1254	Not detected	800000
PCB-1260	Not detected	800000

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	137	5.0
Trichloroethylene	30.9	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	50.0
M&P-Cresol	Not detected	50.0
Nitrobenzene	Not detected	50.0
Pentachlorophenol	Not detected	250.0
Pyridine	Not detected	50.0
2,4,5-Trichlorophenol	Not detected	50.0
2,4,6-Trichlorophenol	Not detected	50.0
2,4-Dinitrotoluene	Not detected	50.0
Hexachlorobenzene	Not detected	50.0
Hexachloro-1,3-butadiene	Not detected	50.0
Hexachloroethane	Not detected	50.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	110.	2.5
Endrin	Not detected	0.5
Heptachlor	Not detected	0.25
Heptachlor epoxide	Not detected	0.25
Lindane	Not detected	0.25
Methoxychlor	Not detected	2.5
Toxaphene	Not detected	5.0

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	100
Benzene	Not detected	100
Carbon Tetrachloride	Not detected	100
Chlorobenzene	Not detected	100
1,2,Dichlorobenzene (ortho)	Not detected	100
Ethyl Acetate	Not detected	100
Ethyl Benzene	6,370	100
Ethyl Ether	Not detected	100
Methylene Chloride	Not detected	100
Methyl Ethyl Ketone (2-Butanone)	Not detected	100
Methyl Isobutyl Ketone (MIBK)	Not detected	100
Tetrachloroethylene	7,760	100
Toluene	1,430	100
1,1,1-Trichloroethane	Not detected	100
1,1,2-Trichloroethane	Not detected	100
Trichloroethylene	1,050	100
Trichlorofluoromethane	Not detected	100
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	100
xylene	4,260	100

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani
Laboratory Director

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti
Environmental Waste Tech., Inc.
1039 Chestnut St.
P.O. Box 38
Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24443 Location code: EWT
Purchase order number: C-350
Location Description: Wildwood C-4771 Soil
Sample collector: D. KOLTE
Sample collection date: 06/28/93 Time: 09:00
Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	>200	degree F	200
pH	5.90	pH Units	0.10
Corrosivity Determination	Negative		
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	0.20	mg/L	0.01
TCLP Barium	.47	mg/L	0.01
TCLP Cadmium	.34	mg/L	0.01
TCLP Chromium	.11	mg/L	0.01
TCLP Lead	.45	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim	mg/L	0.01
TCLP Silver	.014	mg/L	0.01
TCLP Copper	1.0	mg/L	0.01
TCLP Zinc	57	mg/L	0.01
TCLP Nickel	.19	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	50	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	4.3
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	23,600	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed		
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed		
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0

Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	460	mg/kg	0.50
Percent Water	10.90	%	0.01
BTU Value	680	BTU/LB	100
Ash Solid Matrix	681.6	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	800
a-BHC	Not detected	800
b-BHC	Not detected	800
d-BHC	Not detected	800
g-BHC	Not detected	800
Chlordane	59,000	800
4,4'-DDD	Not detected	1600
4,4'-DDE	Not detected	1600
4,4'-DDT	Not detected	1600
Dieldrin	Not detected	1600
Endosulfan I	Not detected	800
Endosulfan II	Not detected	1600
Endrin	Not detected	1600
Endrin aldehyde	Not detected	1600
Endosulfan sulfate	Not detected	1600
Heptachlor	Not detected	800
Heptachlor epoxide	Not detected	800
Methoxychlor	Not detected	8000
Toxaphene	Not detected	8000
PCB-1016	Not detected	8000
PCB-1221	Not detected	8000
PCB-1232	Not detected	8000
PCB-1242	Not detected	8000
PCB-1248	Not detected	8000
PCB-1254	Not detected	8000
PCB-1260	Not detected	8000

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	8.80	5.0

Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	8000
PCB-1221	Not detected	8000
PCB-1232	Not detected	8000
PCB-1242	Not detected	8000
PCB-1248	Not detected	8000
PCB-1254	Not detected	8000
PCB-1260	Not detected	8000

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
Pentachlorophenol	72.2	50.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	180.	50.0
Endrin	Not detected	10.0
Heptachlor	Not detected	5.00
Heptachlor epoxide	Not detected	5.00
Lindane	Not detected	5.00
Methoxychlor	Not detected	50.0
Toxaphene	Not detected	100.0

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	317	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2,Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	1,790	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	20
xylene	9,330	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani
Laboratory Director

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti
Environmental Waste Tech., Inc.
1039 Chestnut St.
P.O. Box 38
Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24444 Location code: EWT
Purchase order number: C-350
Location Description: Wildwood D-4771 Clay
Sample collector: D. KOLTE
Sample collection date: 06/28/93 Time: 09:00
Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	>200	degree F	200
pH	5.18	pH Units	0.10
Corrosivity Determination	Negative		
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	1.9	mg/L	0.01
TCLP Cadmium	6.3	mg/L	0.01
TCLP Chromium	Below det lim	mg/L	0.01
TCLP Lead	Below det lim	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim	mg/L	0.01
TCLP Silver	Below det lim	mg/L	0.01
TCLP Copper	.25	mg/L	0.01
TCLP Zinc	1.0	mg/L	0.01
TCLP Nickel	Below det lim	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	49	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	3.5
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	8,430	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed		
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed		
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0

Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	536	mg/kg	0.50
Percent Water	18.46	%	0.01
BTU Value	Below det lim	BTU/LB	100
Ash Solid Matrix	719.9	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	40
a-BHC	Not detected	40
b-BHC	Not detected	40
d-BHC	Not detected	40
g-BHC	Not detected	40
Chlordane	Not detected	400
4,4'-DDD	Not detected	80
4,4'-DDE	Not detected	80
4,4'-DDT	Not detected	80
Dieldrin	Not detected	80
Endosulfan I	Not detected	40
Endosulfan II	Not detected	80
Endrin	Not detected	80
Endrin aldehyde	Not detected	80
Endosulfan sulfate	Not detected	80
Heptachlor	Not detected	40
Heptachlor epoxide	Not detected	40
Methoxychlor	Not detected	400
Toxaphene	Not detected	400
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80
PCB-1221	Not detected	80
PCB-1232	Not detected	80
PCB-1242	Not detected	80
PCB-1248	Not detected	80
PCB-1254	Not detected	80
PCB-1260	Not detected	80

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	Not detected	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	Not detected	5.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	500.0
2,4,5-TP (Silvex)	Not detected	100.0

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	Not detected	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2,Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	Not detected	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	20
xylene	Not detected	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani
Laboratory Director

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti
Environmental Waste Tech., Inc.
1039 Chestnut St.
P.O. Box 38
Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24445 Location code: EWT
Purchase order number: C-350
Location Description: Wildwood E-4771 Soilw/glue res
Sample collector: D. KOLTE
Sample collection date: 06/28/93 Time: 09:00
Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	>200	degree F	200
pH	6.47	pH Units	0.10
Corrosivity Determination	Negative		
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	.30	mg/L	0.01
TCLP Cadmium	.04	mg/L	0.01
TCLP Chromium	.20	mg/L	0.01
TCLP Lead	Below det lim	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim	mg/L	0.01
TCLP Silver	.04	mg/L	0.01
TCLP Copper	.15	mg/L	0.01
TCLP Zinc	3.2	mg/L	0.01
TCLP Nickel	.03	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	12	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	4.1
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	>80,000	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed		
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed		
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0

Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	570	mg/kg	0.50
Percent Water	8.12	%	0.01
BTU Value	6289	BTU/LB	100
Ash Solid Matrix	473.8	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	8000
a-BHC	Not detected	8000
b-BHC	Not detected	8000
d-BHC	Not detected	8000
g-BHC	Not detected	8000
Chlordane	340,000	80000
4,4'-DDD	Not detected	16000
4,4'-DDE	Not detected	16000
4,4'-DDT	Not detected	16000
Dieldrin	Not detected	16000
Endosulfan I	Not detected	8000
Endosulfan II	Not detected	16000
Endrin	Not detected	16000
Endrin aldehyde	Not detected	16000
Endosulfan sulfate	Not detected	16000
Heptachlor	Not detected	8000
Heptachlor epoxide	Not detected	8000
Methoxychlor	Not detected	80000
Toxaphene	Not detected	80000
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	170.	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	4.8	4.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	50.
2,4,5-TP (Silvex)	Not detected	10.

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	236	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2,Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	601	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	20
xylene	2,800	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani
Laboratory Director

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti
Environmental Waste Tech., Inc.
1039 Chestnut St.
P.O. Box 38
Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24446 Location code: EWT
Purchase order number: C-350
Location Description: Wildwood F-4771 #2 Oil
Sample collector: D. KOLTE
Sample collection date: 06/28/93 Time: 09:00
Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	152	degree F	200
pH	7.14	pH Units	0.10
Corrosivity Determination	Negative		
Reactivity	Negative		
Reactivity Cyanide	Below det lim	mg/Kg	250
Reactivity Sulfide	Negative	mg/Kg	500
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.10
TCLP Barium	Below det lim	mg/L	0.10
TCLP Cadmium	Below det lim	mg/L	0.10
TCLP Chromium	Below det lim	mg/L	0.10
TCLP Lead	Below det lim	mg/L	1.0
TCLP Mercury	Below det lim	mg/L	0.05
TCLP Selenium	Below det lim	mg/L	0.10
TCLP Silver	Below det lim	mg/L	0.10
TCLP Copper	.67	mg/L	0.10
TCLP Zinc	1.15	mg/L	0.10
TCLP Nickel	Below det lim	mg/L	0.10
Total Metals Digest, Oil/Solvent	Completed		
Nickel Oil/Solvent Matrix	Below det lim	mg/L	1.0
Thallium Oil/Solvent Matrix	Below det lim	mg/L	3.7
TCLP Extraction for Mercury	Completed		
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles-Oil/Solv.Matrix	see below	ug/kg	100
Polychlorinated Biphenyls O.S.M	see below	mg/kg	1.0
Pesticides/PCBs Oil/Solv. Matrx	see below	mg/kg	1.0
Tot.Org.Carbon Oil/Solv. Matrix	80,000	mg/L	<50
TCLP Acid/Base ext.Oil/Sol.Matrx	see below	ug/L	10
TCLP Pesticides-Oil/Solv.Matrix	see below	ug/L	.1
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides-Oil/Solv.Matrix	see below	ug/L	1.00

Parameter	Result	Units	MDL
F001-F003 Solvents(Total)	see below	ug/Kg	100
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total) Oil/Solv.	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA(Total) Oil/Solv.	see below	ug/Kg	1000
Tot.Org.Halogens Oil/Sol. Matrx	6710	mg/L	0.50
BTU Value	10014	BTU/LB	100
Ash Oil/Solvent Matrix	Below det lim	mg/L	1.0
Sulfide Oil/Solvent Matrix	Below det lim	mg/L	20
TPH Fuels by FID GC	see below		
Percent Water	2.00	%	0.01

Data for TCLP Volatiles-Oil/Solv.Matrix ug/kg:

Component Name	Result	Component MDL
Benzene	23,700	2000
Carbon tetrachloride	Not detected	2000
Chlorobenzene	Not detected	2000
Chloroform	Not detected	2000
1,4-Dichlorobenzene	Not detected	2000
1,2-Dichloroethane	Not detected	2000
1,1-Dichloroethylene	Not detected	2000
Methyl ethyl ketone	Not detected	2000
Tetrachloroethylene	Not detected	2000
Trichloroethylene	Not detected	2000
Vinyl chloride	Not detected	2000

Data for Polychlorinated Biphenyls O.S.M mg/kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	50
PCB-1221	Not detected	50
PCB-1232	Not detected	50
PCB-1242	Not detected	50
PCB-1248	Not detected	50
PCB-1254	Not detected	50
PCB-1260	Not detected	50

Data for Pesticides/PCBs Oil/Solv. Matrx mg/kg:

Component Name	Result	Component MDL
Aldrin	Not detected	50
alpha-BHC	Not detected	50
beta-BHC	Not detected	50
gamma-BHC(Lindane)	Not detected	50
delta-BHC	Not detected	50
Chlordane	Not detected	50
4,4'-DDD	Not detected	50
4,4'-DDE	Not detected	50
4,4'-DDT	Not detected	50

Data for Pesticides/PCBs Oil/Solv. Matrx (continued):

Component Name	Result	Component MDL
Dieldrin	Not detected	50
Endosulfan I	Not detected	50
Endosulfan II	Not detected	50
Endosulfan sulfate	Not detected	50
Endrin	Not detected	50
Endrin aldehyde	Not detected	50
Heptachlor epoxide	Not detected	50
Heptachlor	Not detected	50
Methoxychlor	Not detected	50
Toxaphene	Not detected	50
PCB-1016	Not detected	50
PCB-1221	Not detected	50
PCB-1232	Not detected	50
PCB-1242	Not detected	50
PCB-1248	Not detected	50
PCB-1254	Not detected	50
PCB-1260	Not detected	50

Data for TCLP Acid/Base ext.Oil/Sol.Matrx ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	20000
M&P-Cresol	Not detected	20000
Nitrobenzene	Not detected	20000
Pentachlorophenol	Not detected	100000
Pyridine	Not detected	20000
2,4,5-Trichlorophenol	Not detected	20000
2,4,6-Trichlorophenol	Not detected	20000
2,4-Dinitrotoluene	Not detected	20000
Hexachlorobenzene	Not detected	20000
Hexachloro-1,3-butadiene	Not detected	20000
Hexachloroethane	Not detected	20000

Data for TCLP Pesticides-Oil/Solv.Matrix ug/L:

Component Name	Result	Component MDL
Chlordane	Not detected	5.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

Data for TCLP Herbicides-Oil/Solv.Matrix ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	50.0

Data for TCLP Herbicides-Oil/Solv.Matrix (continued):

Component Name	Result	Component MDL
2,4,5-TP (Silvex)	Not detected	10.0

Data for F001-F003 Solvents(Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	10000
Benzene	26,400	10000
Carbon Tetrachloride	Not detected	10000
Chlorobenzene	Not detected	10000
1,2,Dichlorobenzene (ortho)	Not detected	10000
Ethyl Acetate	Not detected	10000
Ethyl Benzene	237,000	10000
Ethyl Ether	Not detected	10000
Methylene Chloride	Not detected	10000
Methyl Ethyl Ketone (2-Butanone)	Not detected	10000
Methyl Isobutyl Ketone (MIBK)	Not detected	10000
Tetrachloroethylene	Not detected	10000
Toluene	725,000	10000
1,1,1-Trichloroethane	407,000	10000
1,1,2-Trichloroethane	Not detected	10000
Trichloroethylene	Not detected	10000
Trichlorofluoromethane	Not detected	10000
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	10000
xylene	1,520,000	10000

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	2000
Cyclohexanone	Not detected	2000

Data for F003 & F005 GC (Total) Oil/Solv. mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Data for F004 & F005 BNA(Total) Oil/Solv. ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	20000
o-Cresol	Not detected	20000
Nitrobenzene	Not detected	20000
2-Nitrobenzene	Not detected	20000
Pyridine	Not detected	20000

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Present	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani
Laboratory Director

ENVOTECH®

MANAGEMENT SERVICES, INC.

GENERATOR WASTE CHARACTERIZATION REPORT

T# 046855

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**

Is this a ☒ New Waste for Approval?

or ☐ Waste Stream Reapproval? Previous Approval # ____________

Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☒ TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Construction
Plant Name Corporation
Address 946 Salem St. Rear
Woburn State MA Zip ____
Contact James Greeley
Alternate Carl Langvidare

S.I.C. Codes* ____
US EPA ID #* MAD 617935523
Telephone (508) 371-7922 Fax ( ) ____
Telephone ( ) ____ Fax ( ) ____

SECTION III - INVOICING INFORMATION

Customer ENVT Inc.
Address 1039 Chestnut St. PO Box 31
[illegible] State MA Zip [illegible]
Contact Dave Stevenson

Has an account been opened? Yes ☒ No ☐
If Yes, Account # 330
Telephone (617) 332-1517 Fax (617) 332-8712

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by Rob Sarenka

Date sample collected ____

Date sample and form sent ____

Waste Common Name: Clay

Generator Site Name: Wildwood

Sample Collected By: R. Sarenka

Date Collected: ____ T#: 046855

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-91)

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes ☐ No ☑ | d. Pyrophoric? Yes ☐ No ☑
   b. Shock Sensitive? Yes ☐ No ☑ | e. Oxidizer? Yes ☐ No ☑
   c. Explosive? Yes ☐ No ☑ | f. Radioactive? Yes ☐ No ☑
   If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☑ Other ☐
3. Shipping Volume per Week _____ per Month _____
4. Annual Total Volume 9 drums One Time Only Volume _____
5. DOT Shipping Name* Hazardous Waste Solid n.o.s. (Cadmium)
   Hazard Class* 9 UN/NA#* 3077 III

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ Sludge (non pumpable) ☐
   Other Solid* ☑ Liquid (pumpable) ☐
   Soils ☐ Liquid (multi phase) ☐
   Debris (describe) _____
2. Does the waste have a characteristic odor?* Yes ☐ No ☑ Describe _____
3. Color Description*: Brown

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☐ No ☒ ..... Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.5 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) ..... Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Clay
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**
   Unknown dumping of chemicals
3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum		Maximum	
Clay	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
TOTAL:	_____		100	%

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	☐	☑	
b. Does this waste meet any K listing description?	☐	☑	
c. Does this waste meet any P listing description?	☐	☑	
d. Does this waste meet any U listing description?	☐	☑	
e. Does this waste exhibit Ignitability? (attach lab results)	☐	☑	
f. Does this waste exhibit Corrosivity? (attach lab results)	☐	☑	
g. Does this waste exhibit Reactivity? (attach lab results)	☐	☑	
h. Does this waste exhibit Toxicity? (attach lab results)	☑	☐	D006
i. Does this waste leach Copper > 100ppm? (attach lab results)	☐	☑	
j. Does this waste leach Zinc > 500ppm? (attach lab results)	☐	☑	
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	☑	☐	D006
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	☐	☑	

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

SECTION IX - CERTIFICATIONS

		Yes	No
1.	Does the waste contain cyanide amenable to chlorination above 250 ppm?*	☐	☑
2.	Does the waste contain reactive sulfide above 500 ppm?*	☐	☑
3.	Does this waste contain PCBs greater than 49 ppm?*	☐	☑
4.	Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?	☐	☑
5.	Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?	☐	☑
6.	Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?	☐	☑

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
   For those constituents not tested, mark "No" **and** sign the certification provided.
   Either "Yes" or "No" **MUST** be checked for each and every constituent.

	TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
ZHE ORGANICS*	mg./L	YES	NO	CERTIFICATION
D018 Benzene	0.5	☑	☐	"Based upon my knowledge of the
D019 Carbon Tetrachloride	0.5	☑	☐	waste and the process generating
D021 Chlorobenzene	100.0	☑	☐	the waste, these constituents are
D022 Chloroform	6.0	☑	☐	not present in the waste above
D028 1,2-Dichloroethane	0.5	☑	☐	hazardous classification levels."
D029 1,1-Dichloroethylene	0.7	☑	☐	
D035 Methyl Ethyl Ketone	200.0	☑	☐	Signed _____
D039 Tetrachloroethylene	0.7	☑	☐	
D040 Trichloroethylene	0.5	☑	☐	
D043 Vinyl Chloride	0.2	☑	☐	
METALS*				CERTIFICATION
D004 Arsenic	5.0	☑	☐	"Based upon my knowledge of the
D005 Barium	100.0	☑	☐	waste and the process generating
D006 Cadmium	1.0	☑	☐	the waste, these constituents are
D007 Chromium	5.0	☑	☐	not present in the waste above
D008 Lead	5.0	☑	☐	hazardous classification levels."
D009 Mercury	0.2	☑	☐	
D010 Selenium	1.0	☑	☐	Signed _____
D011 Silver	5.0	☑	☐	
001D Copper	100.0	☑	☐	
003D Zinc	500.0	☑	☐	
ACID EXTRACTABLES*				CERTIFICATION
D023 o-Cresol**	200.0	☑	☐	"Based upon my knowledge of the
D024 m-Cresol**	200.0	☑	☐	waste and the process generating
D025 p-Cresol**	200.0	☑	☐	the waste, these constituents are
D026 Cresol	200.0	☑	☐	not present in the waste above
D037 Pentachlorophenol	100.0	☑	☐	hazardous classification levels."
D041 2,4,5-Trichlorophenol	400.0	☑	☐	
D042 2,4,6-Trichlorophenol	2.0	☑	☐	Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

	TCLP REGULATORY ACTION LEVELS	CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
	mg./L	YES	NO
BASE NEUTRAL EXTRACTABLES*			
D027 1,4-Dichlorobenzene	7.5	☑	☐
D030 2,4-Dinitrotoluene	0.13	☑	☐
D032 Hexachlorobenzene	0.13	☑	☐
D033 Hexachlorobutadiene	0.5	☑	☐
D034 Hexachloroethane	3.0	☑	☐
D036 Nitrobenzene	2.0	☑	☐
D038 Pyridine	5.0	☐	☐
PESTICIDES*			
D020 Chlordane	0.03	☑	☐
D012 Endrin	0.02	☑	☐
D031 Heptachlor (& its Hydroxide)	0.008	☑	☐
D013 Lindane	0.4	☑	☐
D014 Methoxychlor	10.0	☑	☐
D015 Toxaphene	0.5	☑	☐
HERBICIDES*			
D016 2,4-D	10.0	☑	☐
D017 2,4,5-TP (Silvex)	1.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greaves Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greaves Printed Name James R Greaves Date 11-1-93

Company RETEC Title Agent for Beatrice

* See full instructions on separate sheet.

ENVIROTECH®

MANAGEMENT SERVICES, INC.

GENERATOR WASTE CHARACTERIZATION REPORT

T# 046861

An original report form must be completed for each separate waste stream. **Do not submit copies.**
Is this a ☐ New Waste for Approval?
or ☐ Waste Stream Reapproval? Previous Approval # _____
Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☑ TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name [illegible]
Plant Name _____
Address [illegible]
[illegible] State [illegible] Zip _____
Contact [illegible]
Alternate _____

S.I.C. Codes* _____
US EPA ID #* [illegible]

Telephone ( ) [illegible] Fax ( ) _____
Telephone ( ) _____ Fax ( ) _____

SECTION III - INVOICING INFORMATION

Customer [illegible]
Address [illegible]
[illegible] State [illegible] Zip [illegible]
Contact [illegible]

Has an account been opened? Yes ☑ No ☐
If Yes, Account # [illegible]

Telephone ( ) [illegible] Fax ( ) [illegible]

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by [illegible]

Date sample collected [illegible]

Date sample and form sent _____

Waste Common Name: [illegible]

Generator Site Name: [illegible]

Sample Collected By: [illegible]

Date Collected: [illegible] T#: 046861

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-91)

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:
   a. Reactive? Yes ☐ No ☑
   b. Shock Sensitive? Yes ☐ No ☐
   c. Explosive? Yes ☐ No ☐
   d. Pyrophoric? Yes ☐ No ☑
   e. Oxidizer? Yes ☐ No ☐
   f. Radioactive? Yes ☐ No ☑

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
3. Shipping Volume per Week _____ per Month _____
4. Annual Total Volume _____ One Time Only Volume _____
5. DOT Shipping Name* R.Q. Hazardous Waste Liquid N.O.S. (Chlordane)
   Hazard Class* 9 UN/NA #* 2052 III

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ Sludge (non pumpable) ☑
   Other Solid* ☐ Liquid (pumpable) ☐
   Soils ☐ Liquid (multi phase) ☐
   Debris (describe) _____
2. Does the waste have a characteristic odor?* Yes ☐ No ☑ Describe _____
3. Color Description*: _____

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☒ No ☐ ..... Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☑ 5-9.9 ☐ 10-12.4 ☐ >12.5 ☐ (attach lab results) .....Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Petroleum Jelly
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum		Maximum	
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
TOTAL:	_____		100	%

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	☐	☑	
b. Does this waste meet any K listing description?	☐	☑	
c. Does this waste meet any P listing description?	☐	☑	
d. Does this waste meet any U listing description?	☐	☑	
e. Does this waste exhibit Ignitability? (attach lab results)	☐	☑	
f. Does this waste exhibit Corrosivity? (attach lab results)	☐	☑	
g. Does this waste exhibit Reactivity? (attach lab results)	☑	☐	D020
h. Does this waste exhibit Toxicity? (attach lab results)	☐	☑	
i. Does this waste leach Copper > 100ppm? (attach lab results)	☐	☑	
j. Does this waste leach Zinc > 500ppm? (attach lab results)	☐	☑	
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	☑	☐	D020
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	☐	☑	

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See following instructions on separate sheet

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

SECTION IX - CERTIFICATIONS

		Yes	No
1.	Does the waste contain cyanide amenable to chlorination above 250 ppm?*	☐	☐
2.	Does the waste contain reactive sulfide above 500 ppm?*	☐	☐
3.	Does this waste contain PCBs greater than 49 ppm?*	☐	☐
4.	Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?	☐	☐
5.	Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?	☐	☐
6.	Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?	☐	☐

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
   For those constituents not tested, mark "No" **and** sign the certification provided.
   Either "Yes" or "No" **MUST** be checked for each and every constituent.

	TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
ZHE ORGANICS*	mg./L	YES	NO	CERTIFICATION
D018 Benzene	0.5	☐	☐	"Based upon my knowledge of the
D019 Carbon Tetrachloride	0.5	☐	☐	waste and the process generating
D021 Chlorobenzene	100.0	☐	☐	the waste, these constituents are
D022 Chloroform	6.0	☐	☐	not present in the waste above
D028 1,2-Dichloroethane	0.5	☐	☐	hazardous classification levels."
D029 1,1-Dichloroethylene	0.7	☐	☐	
D035 Methyl Ethyl Ketone	200.0	☐	☐	Signed _____
D039 Tetrachloroethylene	0.7	☐	☐	
D040 Trichloroethylene	0.5	☐	☐	
D043 Vinyl Chloride	0.2	☐	☐	
METALS*				CERTIFICATION
D004 Arsenic	5.0	☐	☐	"Based upon my knowledge of the
D005 Barium	100.0	☐	☐	waste and the process generating
D006 Cadmium	1.0	☐	☐	the waste, these constituents are
D007 Chromium	5.0	☐	☐	not present in the waste above
D008 Lead	5.0	☐	☐	hazardous classification levels."
D009 Mercury	0.2	☐	☐	
D010 Selenium	1.0	☐	☐	Signed _____
D011 Silver	5.0	☐	☐	
001D Copper	100.0	☐	☐	
003D Zinc	500.0	☐	☐	
ACID EXTRACTABLES*				CERTIFICATION
D023 o-Cresol**	200.0	☐	☐	"Based upon my knowledge of the
D024 m-Cresol**	200.0	☐	☐	waste and the process generating
D025 p-Cresol**	200.0	☐	☐	the waste, these constituents are
D026 Cresol	200.0	☐	☐	not present in the waste above
D037 Pentachlorophenol	100.0	☐	☐	hazardous classification levels."
D041 2,4,5-Trichlorophenol	400.0	☐	☐	
D042 2,4,6-Trichlorophenol	2.0	☐	☐	Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

	TCLP REGULATORY ACTION LEVELS	CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
	mg./L	YES	NO
BASE NEUTRAL EXTRACTABLES*			
D027 1,4-Dichlorobenzene	7.5	☑	☐
D030 2,4-Dinitrotoluene	0.13	☑	☐
D032 Hexachlorobenzene	0.13	☑	☐
D033 Hexachlorobutadiene	0.5	☑	☐
D034 Hexachloroethane	3.0	☑	☐
D036 Nitrobenzene	2.0	☑	☐
D038 Pyridine	5.0	☑	☐
PESTICIDES*			
D020 Chlordane	0.03	☑	☐
D012 Endrin	0.02	☑	☐
D031 Heptachlor (& its Hydroxide)	0.008	☑	☐
D013 Lindane	0.4	☑	☐
D014 Methoxychlor	10.0	☑	☐
D015 Toxaphene	0.5	☑	☐
HERBICIDES*			
D016 2,4-D	10.0	☑	☐
D017 2,4,5-TP (Silvex)	1.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 4-11-95

Company RETEC Title Agent for Beatrice

* See full instructions on separate sheet.

ENVOTECH®

MANAGEMENT SERVICES, INC.

GENERATOR WASTE CHARACTERIZATION REPORT

T# 046859

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**

Is this a ☑ New Waste for Approval?

or ☐ Waste Stream Reapproval? Previous Approval # ____________

Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☑ TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Conservation Corp

Plant Name ____________

Address 246 Salem St. Road

Woburn State MA Zip ____________

Contact Tom [illegible]

Alternate ____________

S.I.C. Codes* ____________

US EPA ID #* MP 617 935 55 23

Telephone (508) [illegible] Fax ( ) ____________

Telephone ( ) ____________ Fax ( ) ____________

SECTION III - INVOICING INFORMATION

Customer EWT

Address [illegible]

[illegible] State MA Zip [illegible]

Contact Dave [illegible]

Has an account been opened? Yes ☑ No ☐

If Yes, Account # [illegible]

Telephone ([illegible]) [illegible] Fax ( ) ____________

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by R Cardinal [illegible]

Date sample collected 1/12/93

Date sample and form sent ____________

Waste Common Name: Soil

Generator Site Name: [illegible]

Sample Collected By: R Cardinal [illegible]

Date Collected: [illegible]

T#: 046859

* See full instructions on separate sheet.

Printed on Recycled Paper

Form 911 (11-91)

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes ☐ No ☑ | d. Pyrophoric? Yes ☐ No ☑
   b. Shock Sensitive? Yes ☐ No ☑ | e. Oxidizer? Yes ☐ No ☑
   c. Explosive? Yes ☐ No ☑ | f. Radioactive? Yes ☐ No ☑
   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☑ Other ☐
3. Shipping Volume per Week _____ per Month _____
4. Annual Total Volume 4 Drums One Time Only Volume _____
5. DOT Shipping Name* RQ Hazardous Waste Solid n.o.s. (Chlordane)
   Hazard Class* 9 UN/NA #* 3077 III

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ | Sludge (non pumpable) ☐
   Other Solid* ☐ | Liquid (pumpable) ☐
   Soils ☒ | Liquid (multi phase) ☐
   Debris (describe) _____
2. Does the waste have a characteristic odor?* Yes ☐ No ☒ Describe _____
3. Color Description*: Brown

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☐ No ☒ ..... Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) .....Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Soil
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**

   _____
   _____
   _____
   _____

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum		Maximum	
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
TOTAL:	_____		100	%

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	☐	☑	
b. Does this waste meet any K listing description?	☐	☑	
c. Does this waste meet any P listing description?	☐	☑	
d. Does this waste meet any U listing description?	☐	☑	
e. Does this waste exhibit Ignitability? (attach lab results)	☐	☑	
f. Does this waste exhibit Corrosivity? (attach lab results)	☐	☑	
g. Does this waste exhibit Reactivity? (attach lab results)	☐	☑	
h. Does this waste exhibit Toxicity? (attach lab results)	☑	☐	D020
i. Does this waste leach Copper > 100ppm? (attach lab results)	☐	☑	
j. Does this waste leach Zinc > 500ppm? (attach lab results)	☐	☑	
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	☑	☐	D020
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	☐	☑	

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) N/A Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

SECTION IX - CERTIFICATIONS

	Yes	No
1. Does the waste contain cyanide amenable to chlorination above 250 ppm?*	☐	☑
2. Does the waste contain reactive sulfide above 500 ppm?*	☐	☑
3. Does this waste contain PCBs greater than 49 ppm?*	☐	☑
4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?	☐	☑
5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?	☐	☑
6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?	☐	☑

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)

For those constituents not tested, mark "No" **and** sign the certification provided.

Either "Yes" or "No" **MUST** be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
		YES	NO
ZHE ORGANICS*	mg./L		
D018 Benzene	0.5	☑	☐
D019 Carbon Tetrachloride	0.5	☑	☐
D021 Chlorobenzene	100.0	☑	☐
D022 Chloroform	6.0	☑	☐
D028 1,2-Dichloroethane	0.5	☑	☐
D029 1,1-Dichloroethylene	0.7	☑	☐
D035 Methyl Ethyl Ketone	200.0	☑	☐
D039 Tetrachloroethylene	0.7	☑	☐
D040 Trichloroethylene	0.5	☑	☐
D043 Vinyl Chloride	0.2	☑	☐
METALS*			
D004 Arsenic	5.0	☑	☐
D005 Barium	100.0	☑	☐
D006 Cadmium	1.0	☑	☐
D007 Chromium	5.0	☑	☐
D008 Lead	5.0	☑	☐
D009 Mercury	0.2	☑	☐
D010 Selenium	1.0	☑	☐
D011 Silver	5.0	☑	☐
001D Copper	100.0	☑	☐
003D Zinc	500.0	☑	☐
ACID EXTRACTABLES*			
D023 o-Cresol**	200.0	☑	☐
D024 m-Cresol**	200.0	☑	☐
D025 p-Cresol**	200.0	☑	☐
D026 Cresol	200.0	☑	☐
D037 Pentachlorophenol	100.0	☑	☐
D041 2,4,5-Trichlorophenol	400.0	☑	☐
D042 2,4,6-Trichlorophenol	2.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
		YES	NO
BASE NEUTRAL EXTRACTABLES*			
D027 1,4-Dichlorobenzene	7.5	☑	☐
D030 2,4-Dinitrotoluene	0.13	☑	☐
D032 Hexachlorobenzene	0.13	☑	☐
D033 Hexachlorobutadiene	0.5	☑	☐
D034 Hexachloroethane	3.0	☑	☐
D036 Nitrobenzene	2.0	☑	☐
D038 Pyridine	5.0	☑	☐
PESTICIDES*			
D020 Chlordane	0.03	☑	☐
D012 Endrin	0.02	☑	☐
D031 Heptachlor (& its Hydroxide)	0.008	☑	☐
D013 Lindane	0.4	☑	☐
D014 Methoxychlor	10.0	☑	☐
D015 Toxaphene	0.5	☑	☐
HERBICIDES*			
D016 2,4-D	10.0	☑	☐
D017 2,4,5-TP (Silvex)	1.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 11-11-93

Company RETEC Title Agent for Beatrice

* See full instructions on separate sheet. Printed on Recycled Paper Form 911 (11-91)

ENVOTECH®

MANAGEMENT SERVICES, INC.

GENERATOR WASTE CHARACTERIZATION REPORT

T# 046860

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**
Is this a ☒ New Waste for Approval?
or ☐ Waste Stream Reapproval? Previous Approval # _____
Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☒ TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Consolidation Corp
Plant Name _____
Address 24k Salem St. Rd
Woburn State MA Zip _____
Contact Tom Brucen
Alternate _____

S.I.C. Codes* _____
US EPA ID #* MAD 617 455 553
Telephone (781) 371-1422 Fax ( ) _____
Telephone ( ) _____ Fax ( ) _____

SECTION III - INVOICING INFORMATION

Customer EWT
Address 109 Locust St Ste 3K
NVP State MA Zip 02171
Contact Dave Stevenson

Has an account been opened? Yes ☒ No ☐
If Yes, Account # 551
Telephone (617) 332 9877 Fax ( ) _____

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by R. Sardina

Date sample collected 11/2

Date sample and form sent _____

Waste Common Name:
Lime Kiln

Generator Site Name:
Wildwood

Sample Collected By:
R. Sardina

Date Collected: 11/2/93

T#: 046860

* See full instructions on separate sheet.

Printed on Recycled Paper

Form 911 (11-91)

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:
   a. Reactive? Yes ☐ No ☑
   b. Shock Sensitive? Yes ☐ No ☑
   c. Explosive? Yes ☐ No ☑
   d. Pyrophoric? Yes ☐ No ☑
   e. Oxidizer? Yes ☐ No ☑
   f. Radioactive? Yes ☐ No ☑

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☑ Other ☐
3. Shipping Volume per Week 4 per Month
4. Annual Total Volume 4 One Time Only Volume
5. DOT Shipping Name* Non Hazardous, Non Regulated
   Hazard Class* NOT DOT UN/NA #* NOT RCRA

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ Sludge (non pumpable) ☒
   Other Solid* ☐ Liquid (pumpable) ☐
   Soils ☐ Liquid (multi phase) ☐
   Debris (describe)
2. Does the waste have a characteristic odor?* Yes ☐ No ☑ Describe
3. Color Description*:

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☑ No ☐ ..... Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) ..... Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Glue Resin
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum		Maximum	
		to		%
		to		%
		to		%
		to		%
TOTAL:			100	%

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	☐	☑	
b. Does this waste meet any K listing description?	☐	☑	
c. Does this waste meet any P listing description?	☐	☑	
d. Does this waste meet any U listing description?	☐	☑	
e. Does this waste exhibit Ignitability? (attach lab results)	☐	☑	
f. Does this waste exhibit Corrosivity? (attach lab results)	☐	☑	
g. Does this waste exhibit Reactivity? (attach lab results)	☐	☑	
h. Does this waste exhibit Toxicity? (attach lab results)	☐	☑	
i. Does this waste leach Copper > 100ppm? (attach lab results)	☐	☑	
j. Does this waste leach Zinc > 500ppm? (attach lab results)	☐	☑	
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	☐	☑	
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	☐	☑	OIL

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals.* Ash (%) _____

SECTION IX - CERTIFICATIONS

	Yes	No
1. Does the waste contain cyanide amenable to chlorination above 250 ppm?*	☐	☐
2. Does the waste contain reactive sulfide above 500 ppm?*	☐	☐
3. Does this waste contain PCBs greater than 49 ppm?*	☐	☑
4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?	☐	☑
5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?	☐	☑
6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?	☐	☐

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
   For those constituents not tested, mark "No" and sign the certification provided.
   Either "Yes" or "No" **MUST** be checked for each and every constituent.

	TCLP REGULATORY ACTION LEVELS	CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
		YES	NO
ZHE ORGANICS*	mg./L		
D018 Benzene	0.5	☑	☐
D019 Carbon Tetrachloride	0.5	☑	☐
D021 Chlorobenzene	100.0	☑	☐
D022 Chloroform	6.0	☑	☐
D028 1,2-Dichloroethane	0.5	☑	☐
D029 1,1-Dichloroethylene	0.7	☑	☐
D035 Methyl Ethyl Ketone	200.0	☑	☐
D039 Tetrachloroethylene	0.7	☐	☐
D040 Trichloroethylene	0.5	☐	☐
D043 Vinyl Chloride	0.2	☐	☐
METALS*			
D004 Arsenic	5.0	☑	☐
D005 Barium	100.0	☑	☐
D006 Cadmium	1.0	☑	☐
D007 Chromium	5.0	☑	☐
D008 Lead	5.0	☑	☐
D009 Mercury	0.2	☑	☐
D010 Selenium	1.0	☑	☐
D011 Silver	5.0	☑	☐
001D Copper	100.0	☑	☐
003D Zinc	500.0	☑	☐
ACID EXTRACTABLES*			
D023 o-Cresol**	200.0	☐	☐
D024 m-Cresol**	200.0	☐	☐
D025 p-Cresol**	200.0	☐	☐
D026 Cresol	200.0	☐	☐
D037 Pentachlorophenol	100.0	☐	☐
D041 2,4,5-Trichlorophenol	400.0	☐	☐
D042 2,4,6-Trichlorophenol	2.0	☐	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
		YES	NO
BASE NEUTRAL EXTRACTABLES*	mg./L		
D027 1,4-Dichlorobenzene	7.5	☑	☐
D030 2,4-Dinitrotoluene	0.13	☑	☐
D032 Hexachlorobenzene	0.13	☑	☐
D033 Hexachlorobutadiene	0.5	☑	☐
D034 Hexachloroethane	3.0	☑	☐
D036 Nitrobenzene	2.0	☑	☐
D038 Pyridine	5.0	☑	☐
PESTICIDES*			
D020 Chlordane	0.03	☑	☐
D012 Endrin	0.02	☑	☐
D031 Heptachlor (& its Hydroxide)	0.008	☑	☐
D013 Lindane	0.4	☑	☐
D014 Methoxychlor	10.0	☑	☐
D015 Toxaphene	0.5	☑	☐
HERBICIDES*			
D016 2,4-D	10.0	☑	☐
D017 2,4,5-TP (Silvex)	1.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 11-11-93

Company RETEC Title Agent for Beatrice

ENVOTECH®

MANAGEMENT SERVICES, INC.

GENERATOR WASTE CHARACTERIZATION REPORT

T# 046860

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**
Is this a ☒ New Waste for Approval?
or ☐ Waste Stream Reapproval? Previous Approval # _____
Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☒ TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Conservation Corp
Plant Name _____
Address 246 Salem St. Rd
Woburn State MA Zip _____
Contact Tom Brucen
Alternate _____

S.I.C. Codes* _____
US EPA ID #* MP 617 455 5513
Telephone (SW) 371-1422 Fax ( ) _____
Telephone ( ) _____ Fax ( ) _____

SECTION III - INVOICING INFORMATION

Customer EWT
Address 1039 Chestnut St Box 34
NVP State MA Zip 02164
Contact Dave Stevenson

Has an account been opened? Yes ☒ No ☐
If Yes, Account # 552
Telephone (617) 332-2877 Fax ( ) _____

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by R. Sadnik

Date sample collected 11/2

Date sample and form sent _____

Waste Common Name:
Gas Rags

Generator Site Name:
Wildwood

Sample Collected By:
R. Sadnik

Date Collected: 11/2/93

T#: 046860

* See full instructions on separate sheet.

Printed on Recycled Paper

Form 911 (11-91)

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:
   a. Reactive? Yes ☐ No ☑
   b. Shock Sensitive? Yes ☐ No ☑
   c. Explosive? Yes ☐ No ☑
   d. Pyrophoric? Yes ☐ No ☑
   e. Oxidizer? Yes ☐ No ☑
   f. Radioactive? Yes ☐ No ☑

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☑ Other ☐
3. Shipping Volume per Week 4 per Month _____
4. Annual Total Volume _____ One Time Only Volume _____
5. DOT Shipping Name* Non Hazardous, Non Regulated
   Hazard Class* _____ NOT DOT UN/NA #* _____ Not RCRA

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ Sludge (non pumpable) ☒
   Other Solid* ☐ Liquid (pumpable) ☐
   Soils ☐ Liquid (multi phase) ☐
   Debris (describe) _____
2. Does the waste have a characteristic odor?* Yes ☐ No ☑ Describe _____
3. Color Description*: _____
4. Are Free Liquids associated with this waste? Yes ☑ No ☐ ..... USEPA SW-846* Method Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) ..... Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Glue Resin
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**
   _____
   _____
   _____
   _____
3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum		Maximum	
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
TOTAL:	_____		100	%

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	☐	☑	_____
b. Does this waste meet any K listing description?	☐	☑	_____
c. Does this waste meet any P listing description?	☐	☑	_____
d. Does this waste meet any U listing description?	☐	☑	_____
e. Does this waste exhibit Ignitability? (attach lab results)	☐	☑	_____
f. Does this waste exhibit Corrosivity? (attach lab results)	☐	☑	_____
g. Does this waste exhibit Reactivity? (attach lab results)	☐	☑	_____
h. Does this waste exhibit Toxicity? (attach lab results)	☐	☑	_____
i. Does this waste leach Copper > 100ppm? (attach lab results)	☐	☑	_____
j. Does this waste leach Zinc > 500ppm? (attach lab results)	☐	☑	_____
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	☐	☑	
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	☐	☑	OJGL

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals.* Ash (%) _____

SECTION IX - CERTIFICATIONS

	Yes	No
1. Does the waste contain cyanide amenable to chlorination above 250 ppm?*	☐	☐
2. Does the waste contain reactive sulfide above 500 ppm?*	☐	☐
3. Does this waste contain PCBs greater than 49 ppm?*	☐	☑
4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?	☐	☑
5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?	☐	☑
6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?	☐	☐

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
   For those constituents not tested, mark "No" **and** sign the certification provided.
   Either "Yes" or "No" **MUST** be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
ZHE ORGANICS*	mg./L	YES	NO
D018 Benzene	0.5	☑	☐
D019 Carbon Tetrachloride	0.5	☑	☐
D021 Chlorobenzene	100.0	☑	☐
D022 Chloroform	6.0	☑	☐
D028 1,2-Dichloroethane	0.5	☑	☐
D029 1,1-Dichloroethylene	0.7	☑	☐
D035 Methyl Ethyl Ketone	200.0	☑	☐
D039 Tetrachloroethylene	0.7	☑	☐
D040 Trichloroethylene	0.5	☑	☐
D043 Vinyl Chloride	0.2	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

METALS*			
D004 Arsenic	5.0	☑	☐
D005 Barium	100.0	☑	☐
D006 Cadmium	1.0	☑	☐
D007 Chromium	5.0	☑	☐
D008 Lead	5.0	☑	☐
D009 Mercury	0.2	☑	☐
D010 Selenium	1.0	☑	☐
D011 Silver	5.0	☑	☐
001D Copper	100.0	☑	☐
003D Zinc	500.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

ACID EXTRACTABLES*			
D023 o-Cresol**	200.0	☑	☐
D024 m-Cresol**	200.0	☑	☐
D025 p-Cresol**	200.0	☑	☐
D026 Cresol	200.0	☑	☐
D037 Pentachlorophenol	100.0	☑	☐
D041 2,4,5-Trichlorophenol	400.0	☑	☐
D042 2,4,6-Trichlorophenol	2.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
	mg./L	YES	NO
BASE NEUTRAL EXTRACTABLES*			
D027 1,4-Dichlorobenzene	7.5	☑	☐
D030 2,4-Dinitrotoluene	0.13	☑	☐
D032 Hexachlorobenzene	0.13	☑	☐
D033 Hexachlorobutadiene	0.5	☑	☐
D034 Hexachloroethane	3.0	☑	☐
D036 Nitrobenzene	2.0	☑	☐
D038 Pyridine	5.0	☑	☐
PESTICIDES*			
D020 Chlordane	0.03	☑	☐
D012 Endrin	0.02	☑	☐
D031 Heptachlor (& its Hydroxide)	0.008	☑	☐
D013 Lindane	0.4	☑	☐
D014 Methoxychlor	10.0	☑	☐
D015 Toxaphene	0.5	☑	☐
HERBICIDES*			
D016 2,4-D	10.0	☑	☐
D017 2,4,5-TP (Silvex)	1.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 11-11-93

Company RETEC Title Agent for Beatrice

ENVOTECH®
MANAGEMENT SERVICES, INC.

GENERATOR WASTE CHARACTERIZATION REPORT

T# 046856

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**
Is this a ☒ New Waste for Approval?
or ☐ Waste Stream Reapproval? Previous Approval # ____________
Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☐ TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☒ RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name: Wildwood Conservation Corp
Plant Name: ____________
Address: 246 Salem St. Rd
Woburn State: MA Zip: ____
Contact: Jamie [illegible]
Alternate: ____________

S.I.C. Codes*: ____________
US EPA ID #*: MAD 07 93555 23
Telephone (508) [illegible] Fax ( ) ____________
Telephone ( ) ____________ Fax ( ) ____________

SECTION III - INVOICING INFORMATION

Customer: EWT inc.
Address: 1039 Chestnut St. Box 38
Newton State: MA Zip: 02164
Contact: Dave [illegible]

Has an account been opened? Yes ☒ No ☐
If Yes, Account #: 227
Telephone (617) 332-3477 Fax (617) 332-8712

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

#2 oil

Record the date and name of person sampling:

Sampling completed by: R. [illegible]

Date sample collected: 4/2/93

Date sample and form sent: ____________

* See full instructions on separate sheet.

Printed on Recycled Paper

Form 911 (11-91

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes ☐ No ☒ | d. Pyrophoric? Yes ☐ No ☒
   b. Shock Sensitive? Yes ☐ No ☒ | e. Oxidizer? Yes ☐ No ☒
   c. Explosive? Yes ☐ No ☒ | f. Radioactive? Yes ☐ No ☒

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
3. Shipping Volume per Week 2 per Month _____
4. Annual Total Volume _____ One Time Only Volume _____
5. DOT Shipping Name* Combustible Liquid n.o.s. (benzene)
   Hazard Class* _____ UN/NA#* 1993 PG II

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☐ Sludge (non pumpable) ☐
   Other Solid* ☐ Liquid (pumpable) ☒
   Soils ☐ Liquid (multi phase) ☐
   Debris (describe) _____
2. Does the waste have a characteristic odor?* Yes ☒ No ☐ Describe Oily
3. Color Description*: Brown

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☒ No ☐ ..... Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.1 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) .... Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☒ >200°F ☐ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Oil
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum		Maximum	
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
TOTAL:	_____		100	%

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	☐	☒	
b. Does this waste meet any K listing description?	☐	☒	
c. Does this waste meet any P listing description?	☐	☒	
d. Does this waste meet any U listing description?	☐	☒	
e. Does this waste exhibit Ignitability? (attach lab results)	☐	☒	
f. Does this waste exhibit Corrosivity? (attach lab results)	☐	☒	
g. Does this waste exhibit Reactivity? (attach lab results)	☒	☐	D018
h. Does this waste exhibit Toxicity? (attach lab results)	☐	☒	
i. Does this waste leach Copper > 100ppm? (attach lab results)	☐	☒	
j. Does this waste leach Zinc > 500ppm? (attach lab results)	☐	☒	
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	☒	☐	
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	☐	☒	

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%)		Solids (%)		Heat value (BTU/lb)	10,014
Sulfur (%)		Chlorine (%)		PCBs (total ppm)	
Enclose lab reports for F001 - F005 solvent scan and TCLP metals:*				Ash (%)	

SECTION IX - CERTIFICATIONS

		Yes	No
1.	Does the waste contain cyanide amenable to chlorination above 250 ppm?*	☐	☑
2.	Does the waste contain reactive sulfide above 500 ppm?*	☐	☑
3.	Does this waste contain PCBs greater than 49 ppm?*	☐	☐
4.	Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?	☐	☑
5.	Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?	☐	☑
6.	Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?	☐	☑

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
   For those constituents not tested, mark "No" **and** sign the certification provided.
   Either "Yes" or "No" **MUST** be checked for each and every constituent.

	TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
	ZHE ORGANICS*	mg./L	YES	NO
D018	Benzene	0.5	☑	☐
D019	Carbon Tetrachloride	0.5	☑	☐
D021	Chlorobenzene	100.0	☑	☐
D022	Chloroform	6.0	☑	☐
D028	1,2-Dichloroethane	0.5	☑	☐
D029	1,1-Dichloroethylene	0.7	☑	☐
D035	Methyl Ethyl Ketone	200.0	☑	☐
D039	Tetrachloroethylene	0.7	☑	☐
D040	Trichloroethylene	0.5	☑	☐
D043	Vinyl Chloride	0.2	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

	METALS*			
D004	Arsenic	5.0	☑	☐
D005	Barium	100.0	☑	☐
D006	Cadmium	1.0	☑	☐
D007	Chromium	5.0	☑	☐
D008	Lead	5.0	☑	☐
D009	Mercury	0.2	☑	☐
D010	Selenium	1.0	☑	☐
D011	Silver	5.0	☑	☐
001D	Copper	100.0	☑	☐
003D	Zinc	500.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

	ACID EXTRACTABLES*			
D023	o-Cresol**	200.0	☑	☐
D024	m-Cresol**	200.0	☑	☐
D025	p-Cresol**	200.0	☑	☐
D026	Cresol	200.0	☑	☐
D037	Pentachlorophenol	100.0	☑	☐
D041	2,4,5-Trichlorophenol	400.0	☑	☐
D042	2,4,6-Trichlorophenol	2.0	☑	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

	TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
BASE NEUTRAL EXTRACTABLES*	mg./L	YES	NO	CERTIFICATION
D027 1,4-Dichlorobenzene	7.5	☑	☐	"Based upon my knowledge of the
D030 2,4-Dinitrotoluene	0.13	☑	☐	waste and the process generating
D032 Hexachlorobenzene	0.13	☑	☐	the waste, these constituents are
D033 Hexachlorobutadiene	0.5	☑	☐	not present in the waste above
D034 Hexachloroethane	3.0	☑	☐	hazardous classification levels."
D036 Nitrobenzene	2.0	☑	☐	
D038 Pyridine	5.0	☑	☐	Signed _____
PESTICIDES*				CERTIFICATION
D020 Chlordane	0.03	☑	☐	"Based upon my knowledge of the
D012 Endrin	0.02	☑	☐	waste and the process generating
D031 Heptachlor (& its Hydroxide)	0.008	☑	☐	the waste, these constituents are
D013 Lindane	0.4	☑	☐	not present in the waste above
D014 Methoxychlor	10.0	☑	☐	hazardous classification levels."
D015 Toxaphene	0.5	☑	☐	
				Signed _____
HERBICIDES*				
D016 2,4-D	10.0	☑	☐	
D017 2,4,5-TP (Silvex)	1.0	☑	☐	

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R. Greacen Date 11-11-93

Company RETEC Title Agent for Beatrice

ENVOTECH®

MANAGEMENT SERVICES, INC.

GENERATOR WASTE CHARACTERIZATION REPORT

T# 046857

An **original report form** must be completed for each separate waste stream. **Do not submit copies.**
Is this a ☒ New Waste for Approval?
or ☐ Waste Stream Reapproval? Previous Approval # _____
Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

☒ TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

☐ RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

☐ LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Conservation DNR
Plant Name _____
Address 246 Salem St. Rd
Woburn State MI Zip _____
Contact Jamie Creegan
Alternate _____

S.I.C. Codes* _____
US EPA ID #* MI CT 935 55 23

Telephone (313) 397-1921 Fax ( ) _____
Telephone ( ) _____ Fax ( ) _____

SECTION III - INVOICING INFORMATION

Customer EWT
Address 1034 Chestnut St Box 34
Alvin State MI Zip 48464
Contact Dave Stevenson

Has an account been opened? Yes ☒ No ☐
If Yes, Account # 331

Telephone (517) 322-3477 Fax ( ) _____

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by R. Sardina

Date sample collected 11/2/93

Date sample and form sent _____

Waste Common Name: White Powder

Generator Site Name: Wildwood

Sample Collected By: R. Sardina

Date Collected: 11/2/93 T= 046857

* See full instructions on separate sheet.

Printed on Recycled Paper

Form 911 (11-91)

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes ☐ No ☑ | d. Pyrophoric? Yes ☐ No ☑
   b. Shock Sensitive? Yes ☐ No ☑ | e. Oxidizer? Yes ☐ No ☑
   c. Explosive? Yes ☐ No ☑ | f. Radioactive? Yes ☐ No ☑

   If yes, contact an Envotech Management Services Representative at (313) 697-7830 **before completing this form.**
2. Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☑ Other ☐
3. Shipping Volume per Week 4 per Month
4. Annual Total Volume One Time Only Volume
5. DOT Shipping Name* Non Hazardous, Non Regulated
   Hazard Class* Not DOT UN/NA #* Not RCRA

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
   Powdery Solid ☒ | Sludge (non pumpable) ☐
   Other Solid* ☐ | Liquid (pumpable) ☐
   Soils ☐ | Liquid (multi phase) ☐
   Debris (describe)
2. Does the waste have a characteristic odor?* Yes ☐ No ☒ Describe
3. Color Description*: White

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes ☐ No ☒ ..... Method 9095
5. Density: lbs/gallon or lbs/cubic yards or 1.1 specific gravity
6. pH-Range: <2 ☐ 2-4.9 ☐ 5-9.9 ☒ 10-12.4 ☐ >12.5 ☐ (attach lab results) .....Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F ☐ 90-140°F ☐ 140-200°F ☐ >200°F ☒ (attach lab results) .. Method 1010
   (If Flash Point <140°F, provide TOC and VOC analytical results.)
   - Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name White Powder
2. Provide a description of the process(es) generating this waste: **(A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)**

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum		Maximum	
		to		%
		to		%
		to		%
		to		%
TOTAL:			100	%

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	☐	☑	
b. Does this waste meet any K listing description?	☐	☑	
c. Does this waste meet any P listing description?	☐	☑	
d. Does this waste meet any U listing description?	☐	☑	
e. Does this waste exhibit Ignitability? (attach lab results)	☐	☑	
f. Does this waste exhibit Corrosivity? (attach lab results)	☐	☑	
g. Does this waste exhibit Reactivity? (attach lab results)	☐	☑	
h. Does this waste exhibit Toxicity? (attach lab results)	☐	☑	
i. Does this waste leach Copper > 100ppm? (attach lab results)	☐	☑	
j. Does this waste leach Zinc > 500ppm? (attach lab results)	☐	☑	
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	☐	☑	D249
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	☐	☑	

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____

Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

SECTION IX - CERTIFICATIONS

	Yes	No
1. Does the waste contain cyanide amenable to chlorination above 250 ppm?*	☐	☑
2. Does the waste contain reactive sulfide above 500 ppm?*	☐	☐
3. Does this waste contain PCBs greater than 49 ppm?*	☐	☑
4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?	☐	☑
5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?	☐	☑
6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?	☐	☑

7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)
   For those constituents not tested, mark "No" **and** sign the certification provided.
   Either "Yes" or "No" **MUST** be checked for each and every constituent.

ZHE ORGANICS*	TCLP REGULATORY ACTION LEVELS mg./L	CONSTITUENT TESTING CONDUCTED OR CERTIFICATION YES	NO
D018 Benzene	0.5	☑	☐
D019 Carbon Tetrachloride	0.5	☐	☐
D021 Chlorobenzene	100.0	☐	☐
D022 Chloroform	6.0	☑	☐
D028 1,2-Dichloroethane	0.5	☐	☐
D029 1,1-Dichloroethylene	0.7	☑	☐
D035 Methyl Ethyl Ketone	200.0	☐	☐
D039 Tetrachloroethylene	0.7	☐	☐
D040 Trichloroethylene	0.5	☐	☐
D043 Vinyl Chloride	0.2	☐	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

METALS*			
D004 Arsenic	5.0	☑	☐
D005 Barium	100.0	☐	☐
D006 Cadmium	1.0	☐	☐
D007 Chromium	5.0	☐	☐
D008 Lead	5.0	☐	☐
D009 Mercury	0.2	☐	☐
D010 Selenium	1.0	☑	☐
D011 Silver	5.0	☐	☐
001D Copper	100.0	☐	☐
003D Zinc	500.0	☐	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

ACID EXTRACTABLES*			
D023 o-Cresol**	200.0	☐	☐
D024 m-Cresol**	200.0	☐	☐
D025 p-Cresol**	200.0	☐	☐
D026 Cresol	200.0	☐	☐
D037 Pentachlorophenol	100.0	☐	☐
D041 2,4,5-Trichlorophenol	400.0	☐	☐
D042 2,4,6-Trichlorophenol	2.0	☐	☐

CERTIFICATION
"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

	TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
BASE NEUTRAL EXTRACTABLES*	mg./L	YES	NO	CERTIFICATION
D027 1,4-Dichlorobenzene	7.5	☑	☐	"Based upon my knowledge of the
D030 2,4-Dinitrotoluene	0.13	☑	☐	waste and the process generating
D032 Hexachlorobenzene	0.13	☑	☐	the waste, these constituents are
D033 Hexachlorobutadiene	0.5	☑	☐	not present in the waste above
D034 Hexachloroethane	3.0	☑	☐	hazardous classification levels."
D036 Nitrobenzene	2.0	☑	☐	
D038 Pyridine	5.0	☑	☐	Signed _____
PESTICIDES*				CERTIFICATION
D020 Chlordane	0.03	☑	☐	"Based upon my knowledge of the
D012 Endrin	0.02	☑	☐	waste and the process generating
D031 Heptachlor (& its Hydroxide)	0.008	☑	☐	the waste, these constituents are
D013 Lindane	0.4	☑	☐	not present in the waste above
D014 Methoxychlor	10.0	☑	☐	hazardous classification levels."
D015 Toxaphene	0.5	☑	☐	
				Signed _____
HERBICIDES*				
D016 2,4-D	10.0	☑	☐	
D017 2,4,5-TP (Silvex)	1.0	☑	☐	

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- ☐ 1) Waste Characterization Report Form
- ☐ 2) Lab Reports Required for:
  - ☐ a. Free Liquid Testing
  - ☐ b. pH
  - ☐ c. Flashpoint
  - ☐ d. Cyanide
  - ☐ e. Sulfide
  - ☐ f. Land Disposal Restriction Constituent Levels
  - ☐ g. TCLP testing, including Copper and Zinc
- ☐ 3) Representative Sample of Waste
- ☐ 4) MSDS
- ☐ 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent For Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 11-11-93

Company RETEC Title Agent For Beatrice

004-D011 - TOXICITY CHARACTERSTIC HAZARDOUS WASTE

FILE COPY

STES WHICH DO NOT MEET TREATMENT STANDARDS NOTICE FROM GENERATOR TO DISPOSAL FACILITY (40 CFR 268.7 (a) (1) (i))

ıe wastes identified on manifest number MI3124992 and bearing the EPA Hazardous Waste Number(s) D006 are ect to the land disposal restrictions of 40 CFR Part 268. This waste does not meet the applicable treatment standards specified in Part 268 Subpart D or eds the prohibitions specified in 268.32 or RCRA section 3004(d). Analytical data, where available, has been previously supplied or is attached. All eatment standards or prohibition levels exceeded by the waste are circled and initialled below.

pplicable treatment standards from 40 CFR 268.41 (Table CCWE) or 268.42 (Tables 1 and 2) or 268.43 (Table CCW)

rdous Waste scription	Constituents of concern	NONWASTEWATER Total Composition mg/kg	NONWASTEWATER TCLP mg/L	WASTEWATER Total Composition mg/L
-Arsenic	Arsenic		5 **	5
-Barium	Barium		100	100
-Cadmium	Cadmium		1	1
07-Chromium	Chromium(total)		5	5
-Lead			5	5
-Low-mercury sub- ategory (< 260 mg/kg total Hg)	Mercury		0.2 **	0.2
09-High-mercury sub- tegory (> 260 mg/kg total Hg)		IMERC.RMERC **		0.2
-Selenium	Selenium		5.7	1
11-Silver	Silver		5	5

his waste is exempt from treatment standards until May 8, 1992

California List Prohibition Levels (40 CFR 268.32)

s this waste contain any of the following constituents at levels greater than or equal to the California List Prohibition levels given below?

s No Constituents

- ✓ 1,000 mg/kg Halogenated Organic Compounds (HOC's listed in 268 Appendix III)
- ✓ 50 ppm. PCB's (liquid wastes)
- ✓ 134 mg/L Nickel (liquid wastes)
- ✓ 130 mg/L Thallium (liquid wastes)

Additional Hazardous Characteristics

No additional Hazardous Characteristics are exhibited by this waste which would require treatment beyond the standards described above.

reatment standards for the additional Hazardous Characteristics requiring treatment are indicated on the attached page.

Certification

All treatment standards and prohibition levels applicable to this waste are indicated above."

mpany Name: WILDWOOD CONSERVATION EPA ID: MP6179355523

horized Signature: _____ Date: _____

0 R2

n 1

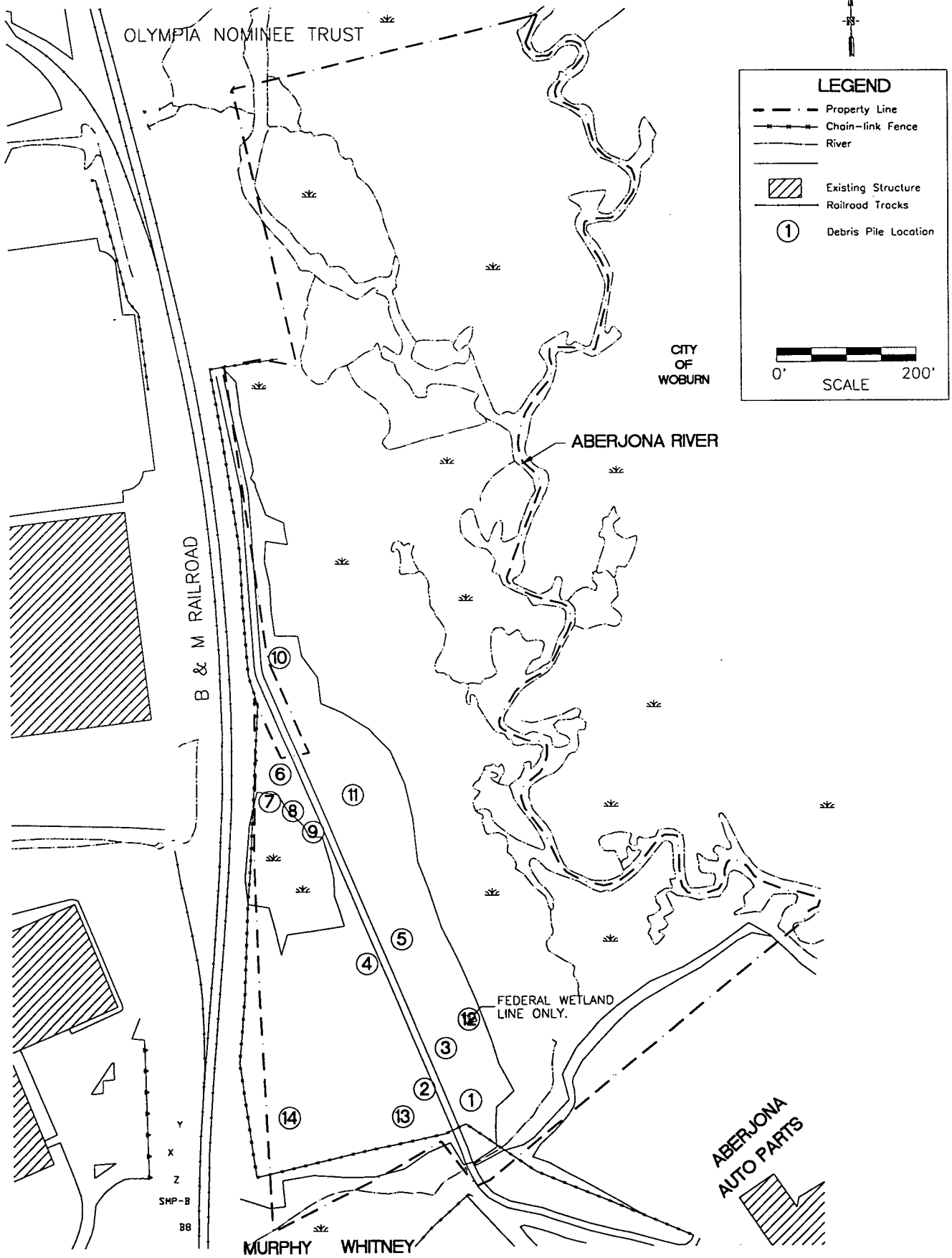
Waste Approval Code: 111993MK

Michigan Disposal, Inc.

ENVIRONMENTAL PROTECTION FACILITY
49350 N. I-94 Service Drive
Belleville, Michigan 48111
(313) 697-7830 • FAX: (313) 699-3499

APPENDIX C

DEBRIS SOIL CHARACTERIZATION



DEBRIS PILE LOCATIONS

FIGURE C-1

WILDW3.DWG

Attachment C-1

Debris Soil A

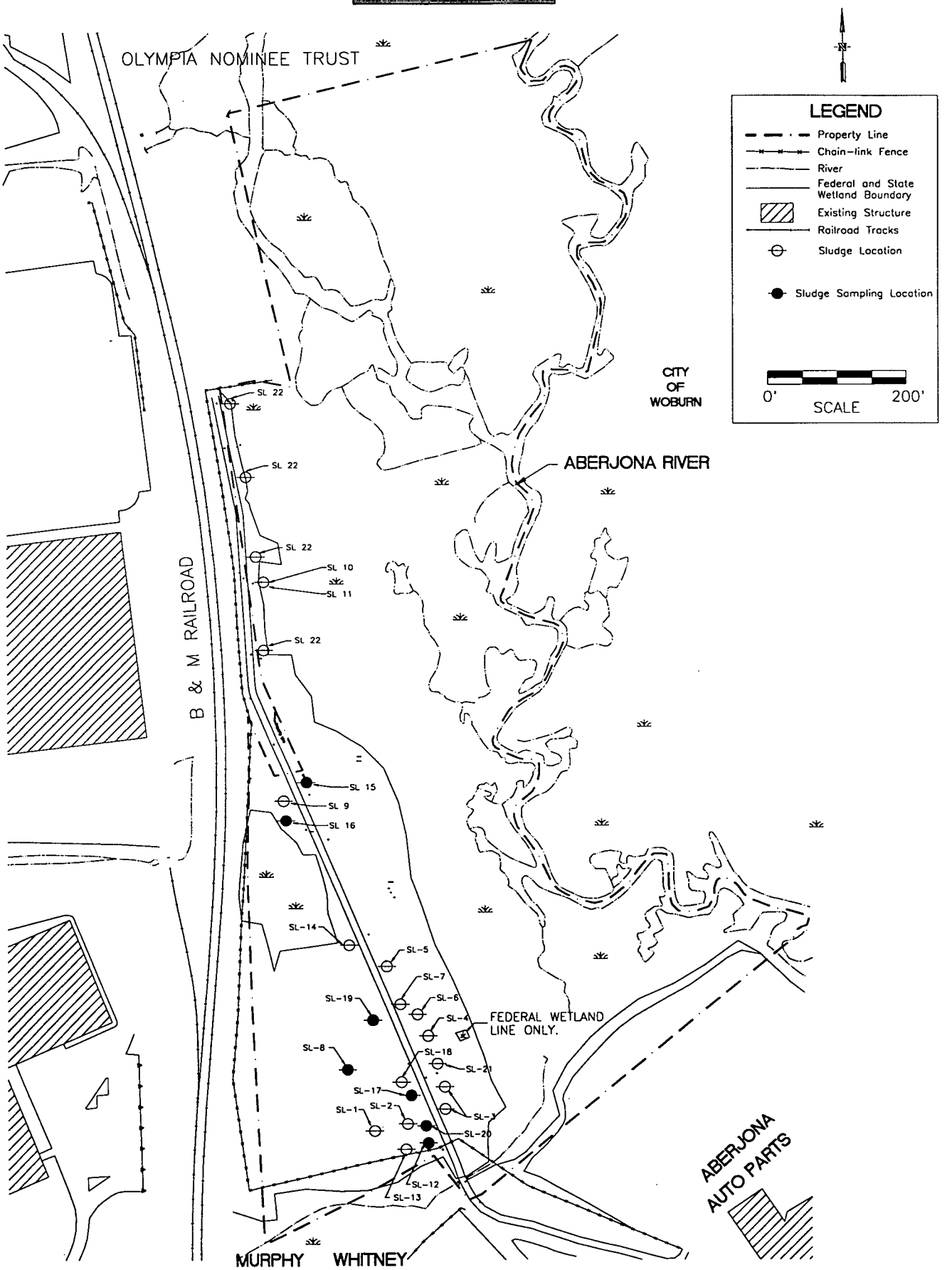
Table C-1

Debris Soil A Inventory

Container #	Contents
1	Debris Pile 3
2	Debris Piles 1 & 2
3	Debris Pile 4
4	Debris Piles 4 & 15
5	Debris Pile 5
6	Debris Pile 3
7	Debris Piles 8 & 10
8	Debris Pile 5
9	Debris Pile 4
10	Debris Piles 10 & 11
11	Debris Pile 5
12	Debris Pile 1
13	Debris Piles 2 & 3 and Sludge Locations 17, 18, 20, & 21
14	Sludge Location 19
15	Sludge Location 19
16	Sludge Location 19

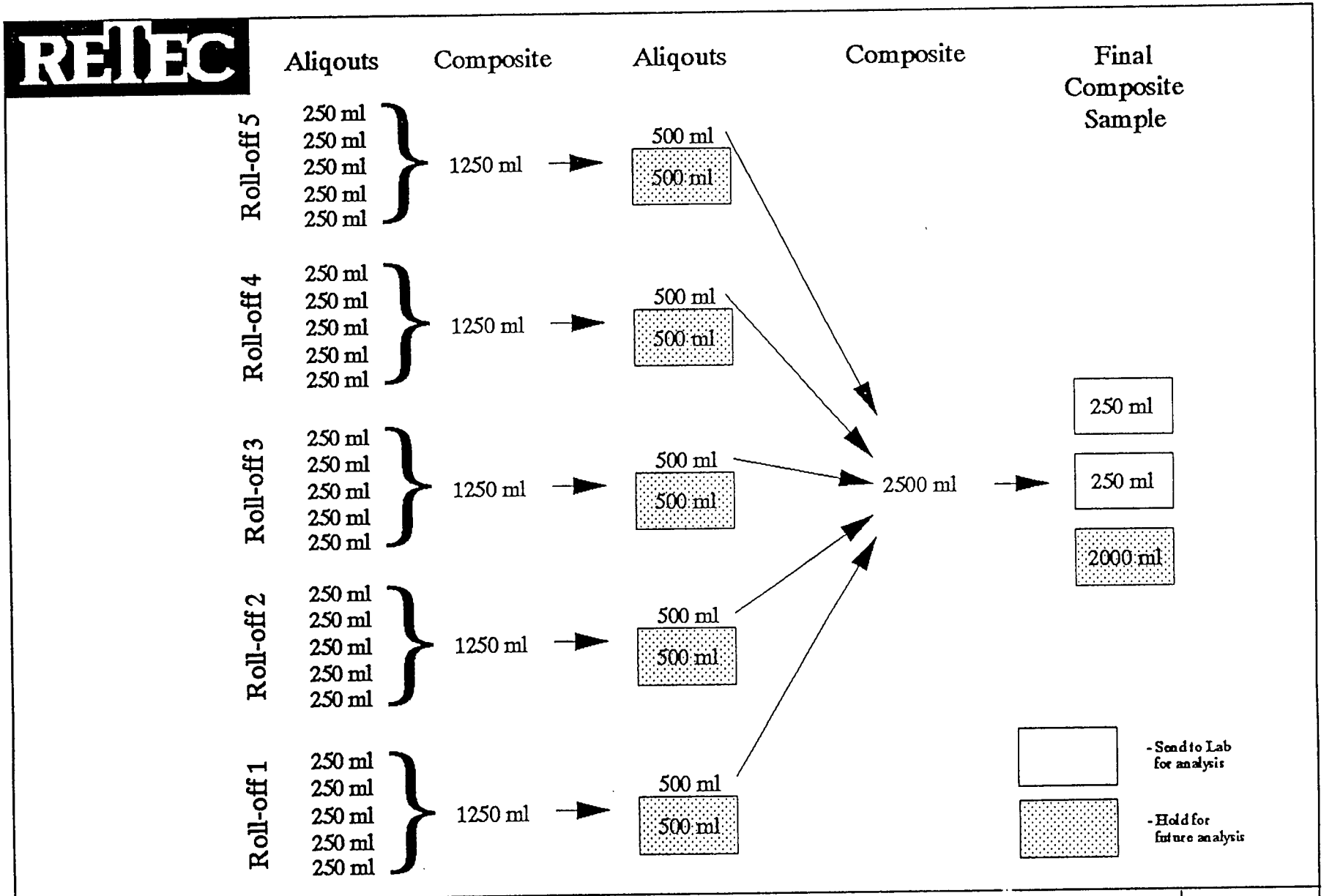
Note:
Containers 1 through 13 were 20 cyd rolloff boxes. Containers 14 through 16 were 4 cyd dumpsters.

REIEC



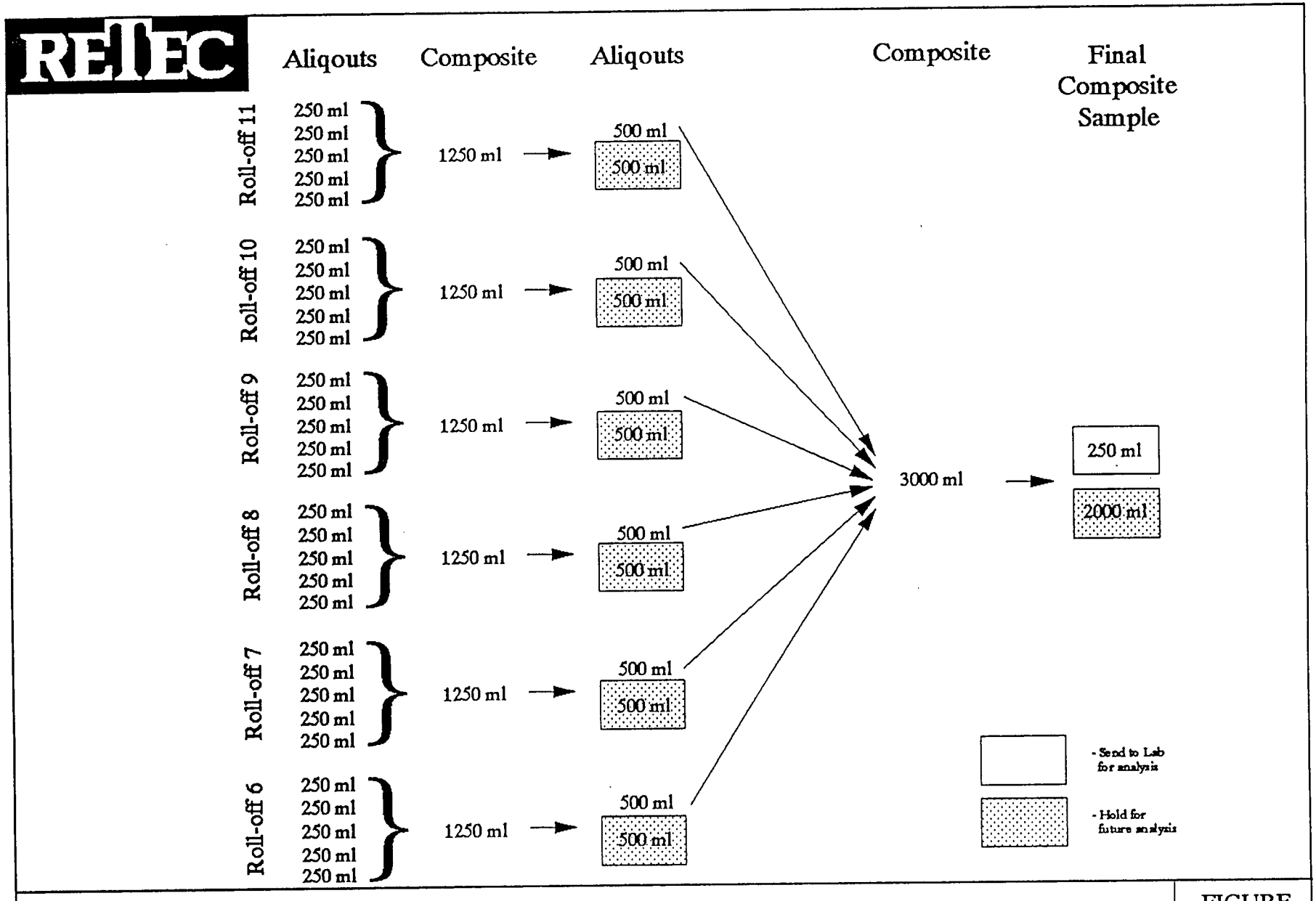
REVISED SLUDGE LOCATION MAP

FIGURE
C-2
WILDW3.DWG



Sampling Program for Group A

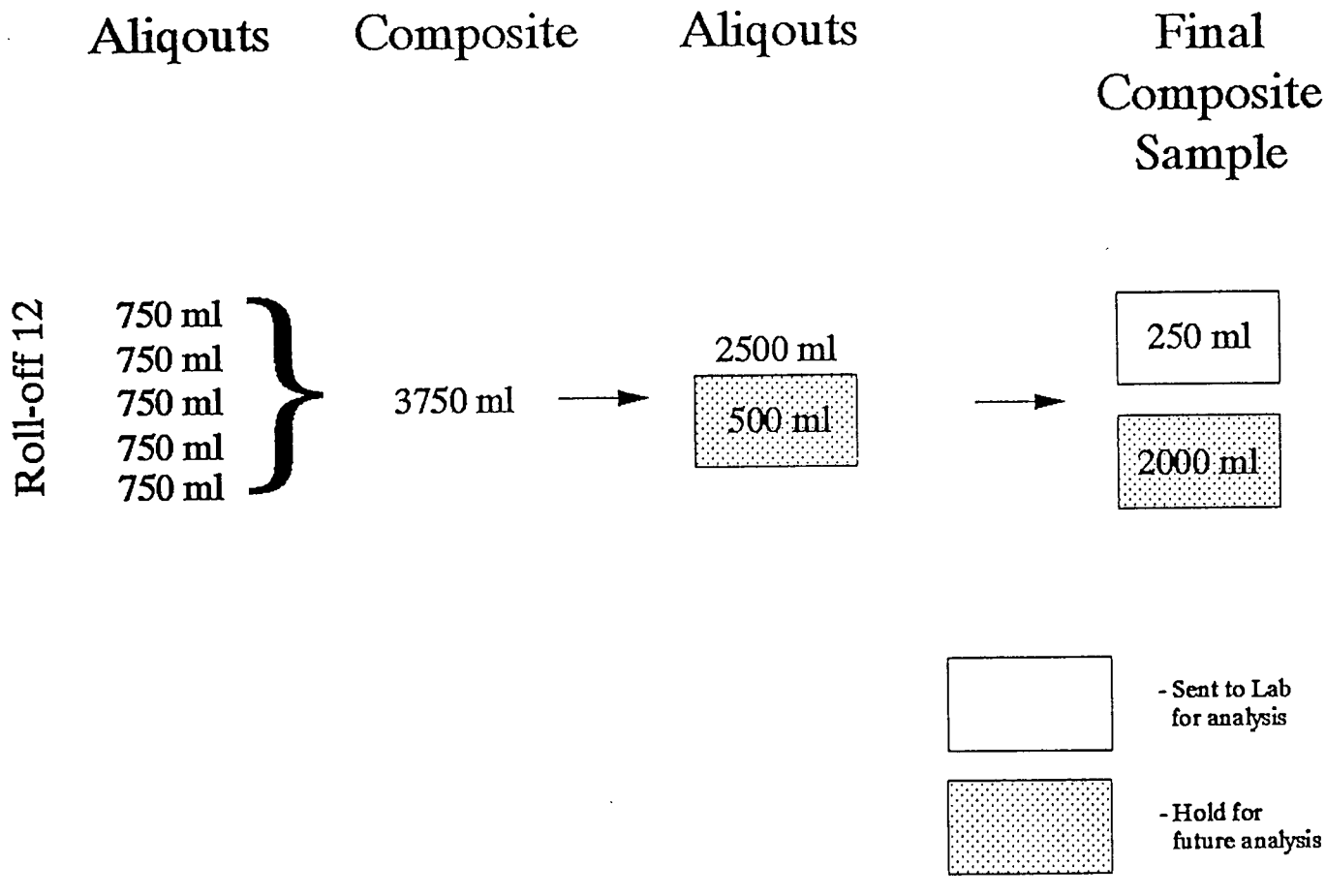
FIGURE 1



Sampling Program for Group B

FIGURE 2

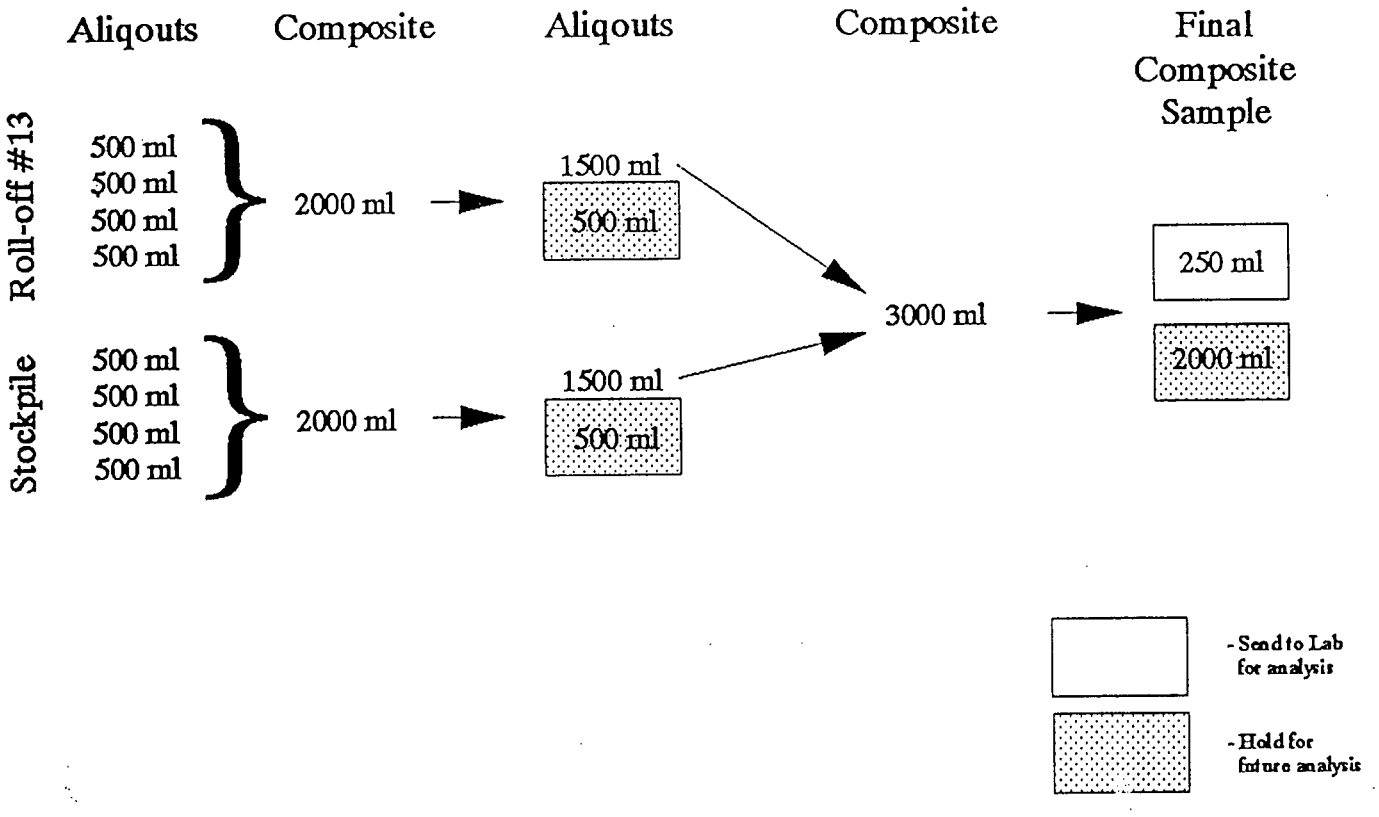
RETEC



Sampling Program for Group C

FIGURE 3

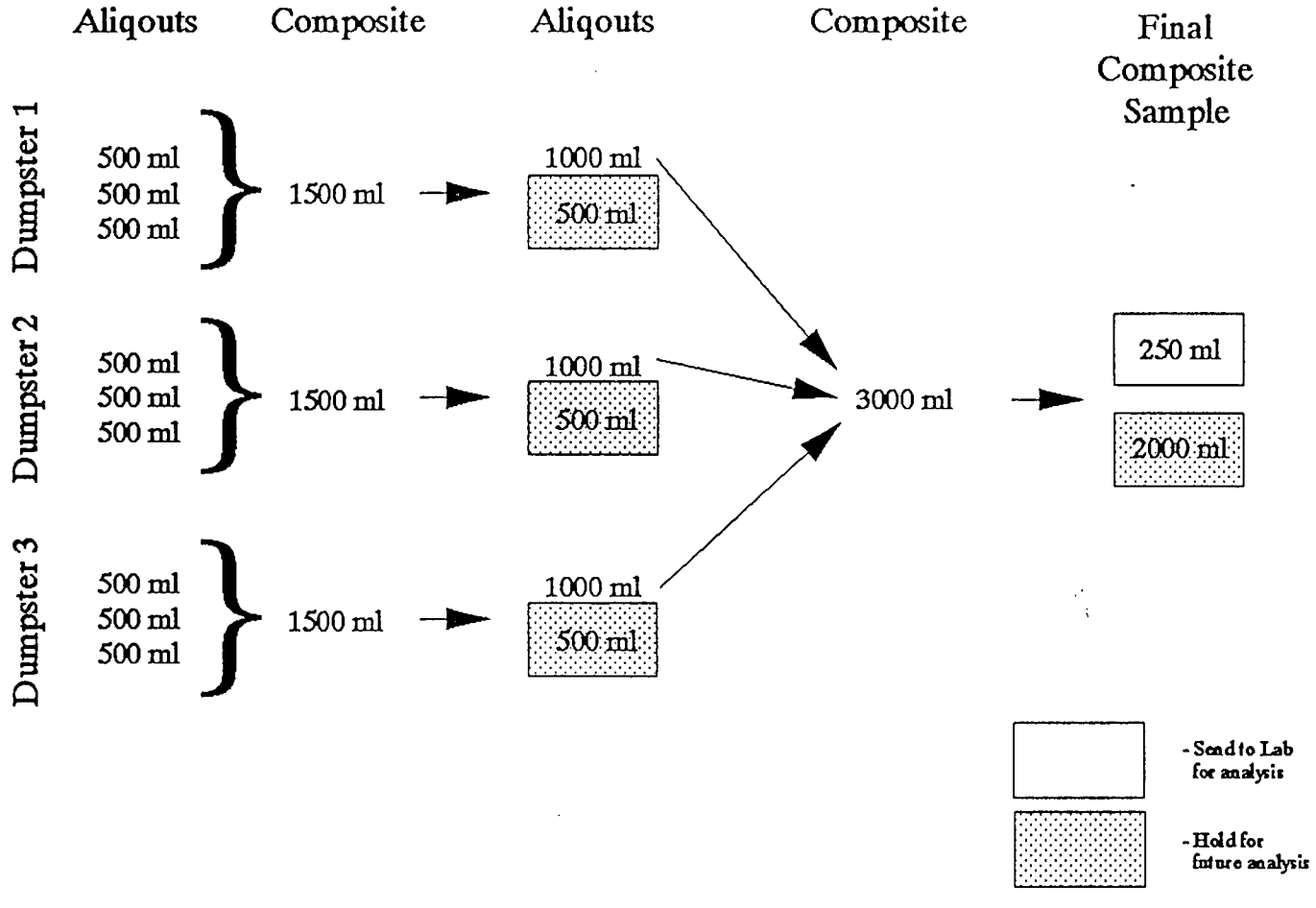
RETEC



Sampling Program for Group D

FIGURE 4

REITEC



Sampling Program for Group E

FIGURE 5

BFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

WCD No. AA 83300

BFI WASTE CODE

WASTE EVALUATION REQUEST

BFI to complete this area.

BFI Initiator _____
Location _____
Company Number _____ Date _____
Telephone Number ( ) _____
Action Requested: ☐ New Waste Approval
☐ Up-Date Approval ☐ Priority
☐ Other _____

Previous Laboratory Number _____
Management Method Requested: ☐ Landfill ☐ Hauling
☐ Other _____
Disposal Site Requested _____
Company Number _____ P.O. Number _____
Analyses Requested: ☐ TCLP ☐ RCI
☐ Other _____
Analyses To Follow: ☐ TCLP ☐ Other _____

WASTE CHARACTERIZATION DATA

Special Waste

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.

1. GENERATOR INFORMATION

a) Generator's Name: Beatrice Foods Inc
b) Generating Facility Address: 248 Rear Salem St
City: Woburn State: MA Zip: _____
c) Company Representative: Andrew Gates
Title: Environmental Engineer / ECTEC
d) Emergency Contact: James Greacen
Title Project Manager / ECTEC

e) Local Registration No. NA
Generator's EPA Id. No. NA

f) Telephone No. (508) 371-1422
After Hours No. (508) 287-0185
Emergency No. (508) 371-1422

2. GENERAL WASTE STREAM INFORMATION

a) Description of The Waste: Construction Debris and Soils Contaminated with PCBs
b) Process Generating Waste: Excavation and Remedial of construction debris and soils
c) Is this a treatment residue of a waste which was previously a restricted characteristically hazardous waste? ☐ Yes ☒ No
d) Is this a "Hazardous Waste" as defined by State or local Regulations? ☐ Yes ☒ No
If yes, enter the Waste Identification Number if one has been assigned: NA
e) Is this a "Special Waste", an "Industrial Process Waste", or a "Polution Control Waste" as defined by State or local Regulations?
☐ Yes ☒ No If yes, enter Waste Identification Number: NA
f) Recommended personal protection equipment and special handling procedures: Level D
g) Anticipated Volume: 450 cubic yards ☐ Gallons ☐ Tons ☒ Cubic Yards ☐ Other _____
Per: ☐ Day ☐ Week ☐ Month ☐ Year ☒ One Time, or ☐ Other _____
To be transported in: ☒ Bulk ☐ Drums (type/size) _____ ☐ Other _____
h) Is a representative sample included? ☐ Yes ☒ No – If yes, complete the RSC found on the reverse side.

3. WASTE PROPERTIES @ 72°F

a) Physical State:
☒ Solid ☐ Semi-solid
☐ Powder ☐ Liquid
☐ Combination _____
b) Odor:
Describe None
☒ None ☐ Mild ☐ Strong
c) Flash Point, °F:
☐ ≤72 ☐ 73-100 ☐ 101-140
☐ 141-200 ☒ ≥201 ☐ N/A ☐ N/D

d) Layers:
☒ Single Phase ☐ Bi-layered ☐ Multi-layered
e) Density Range: _____ to _____
☒ N/D ☐ lbs./gal. ☐ g./cc.
☐ lbs./yd.³ ☐ Other ND
f) Color(s):
Describe Brown
g) pH:
☐ ≤2.0 ☒ 2.1-5.0 ☒ 5.1-9.0
☐ 9.1-12.4 ☐ ≥12.5 ☐ N/A ☐ N/D

4. REACTIVITY

Note if the waste exhibits any of the following reactive properties:
☐ Water Reactive ☐ Alkaline Reactive ☐ Pyrophoric ☐ Thermally Sensitive
☐ Acid Reactive ☐ Autopolymerizable ☐ Explosive ☐ Shock Sensitive ☒ None of the above

BFI WASTE CODE

5. THIS WASTE CONTAINS

Note if the waste contains any of the following:

☐ Free Liquids	☐ Dioxins	☐ Etiological Agents	☐ Radioactive Materials
☐ Free Cyanide	☐ Organic Solvents	☐ Pathogens	☒ PCBs not regulated by
☐ Free Sulfide	☐ Used Oils	☒ OSHA Substances	TSCA 40 CFR 761
☐ Free Ammonia	☐ Virgin Oils	☐ Biological Materials	☐ None of the above

If any of the above are checked "Yes", specify type (if applicable) and include its concentration as part of the waste composition, Section 6.

6. COMPLETE WASTE COMPOSITION

Concentration ranges are suggested, but total must equal 100%. Units must be identified and are to be in parts per million (ppm) and/or percentages (%). Attach additional pages if necessary.

Components	Range Min. / Max.	Components	Range Min. / Max.
Construction Debris and Soil	> 99.995%		
Lead	< 0.005%		
PCBs	< 0.005%		

7. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: NA

USDOT Hazard Class: _____ UN or NA Number: _____ CERCLA Reportable Quantity _____

8. SUPPLEMENTAL INFORMATION

☐ None ☐ MSD Sheets ☒ Analytical Data ☒ Memo/Letter ☐ Waste Composition

☐ Other - describe _____ No. of Pages _____

9. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, that all known or suspected hazards have been disclosed, and that the waste is not designated a Hazardous Waste by the USEPA or contains PCBs regulated by TSCA 40 CFR 761.

GENERATOR'S AUTHORIZED SIGNATORY:

DATE	PRINT NAME	SIGNATURE	TITLE	INITIALS
4/28/93	Andrew Gates	Gel AA	Environmental Engineer	AG

REPRESENTATIVE SAMPLE CERTIFICATE

This Section is to be completed by the person obtaining the sample of the above described waste, preferably a representative of the generator. **DO NOT** COLLECT OR SUBMIT SAMPLES THAT ARE RADIOACTIVE, SHOCK SENSITIVE, EXPLOSIVE, OR PYROPHORIC.

I certify that the sample identified below that is being forwarded to BFI for evaluation is representative of the waste described above. I also understand that, should the waste material described herein not be acceptable for management by BFI Waste Systems, the sample(s) may be returned to the generator.

Collector's Name: _____

Signature: _____

Company: _____

Title: _____

Telephone Number: ( ) _____

(Peel Off Label)

Generator's Name: _____

Waste Description: _____

Date Collected: _____ WCD No. AA 83300

Date at BFI Lab: _____ BFI Lab No. _____

wcd Rev: 9/91

REPORT OF ANALYTICAL RESULTS

Case Number: D0728-13

Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Andy Gates

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 2 AUGUST 1993

Reviewed By: Mark H. Bishop
Laboratory Director

Sample Description

The following samples were submitted to New England Testing Laboratory on 28 JUNE 1993 and re-submitted on 28 JULY 1993:

"Wells G&H - Wildwood Property"

1. Group A
2. Group B
3. Group C
4. Group D
5. Group E
6. Group F
7. Group G
8. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0728-13

Request for Analysis

The following table details the analyses performed on the samples:

Sample	Analysis	Method*
D0728-13:		
1. Group A	TCLP Extraction	1311
2. Group B	Copper	6010
3. Group C	Nickel	6010
4. Group D		
5. Group E		
6. Group F		
7. Group G		
8. Group H		

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0728-13

Group A

Parameter	Result, mg/l
TCLP Extractable:	
Copper	0.02
Nickel	0.02

Group B

Parameter	Result, mg/l
TCLP Extractable:	
Copper	0.14
Nickel	0.04

Group C

Parameter	Result, mg/l
TCLP Extractable:	
Copper	0.03
Nickel	0.05

Case No. D0728-13

Group D

Parameter	Result, mg/l
TCLP Extractable:	
Copper	<0.02
Nickel	<0.02

Group E

Parameter	Result, mg/l
TCLP Extractable:	
Copper	<0.02
Nickel	<0.02

Group F

Parameter	Result, mg/l
TCLP Extractable:	
Copper	0.07
Nickel	0.02

Case No. D0728-13

Group G

Parameter	Result, mg/l
TCLP Extractable:	
Copper	<0.02
Nickel	<0.02

Group H

Parameter	Result, mg/l
TCLP Extractable:	
Copper	0.03
Nickel	0.03

Sludge and Debris Soil
Characterization

REPORT OF ANALYTICAL RESULTS

Case Number: D0628-01

Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Andy Gates

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 15 JULY 1993

Reviewed By: Mark H. Bishop
Mark H. Bishop
Laboratory Director

Sample Description

The following samples were submitted to New England Testing Laboratory on 28 JUNE 1993:

"Wells G&H - Wildwood Property"

1. Group A
2. Group B
3. Group C
4. Group D
5. Group E
6. Group F
7. Group G
8. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0628-01

Request for Analysis

The following table details the analyses performed on the samples:

Sample	Analysis	Method*
D0628-01:		
1. Group A	Moisture	SW846
2. Group B	Ash	160.4
3. Group C	BTU's	D2382-76
4. Group D	Grain Size	D422
5. Group E		
6. Group F		
7. Group G		
8. Group H		
1. Group A	Total Petroleum Hydrocarbons	3550/8015
2. Group B	Total Halogens	E442
3. Group C		
4. Group D		
5. Group E		

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

ASTM, Section 9 and Section 15

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0628-01

Group A

Parameter	Result *
Grain Size	Attached
Moisture, %	26
Ash, %	66
BTU's/lb	<500
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	94

Group B

Parameter	Result *
Grain Size	Attached
Moisture, %	19
Ash, %	75
BTU's/lb	521
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	112

* Results reported on a Dry Weight Basis

Case No. D0628-01

Group C

Parameter	Result *
Grain Size	Attached
Moisture, %	23
Ash, %	71
BTU's/lb	596
Total Halogens, mg/Kg	0.03
Total Petroleum Hydrocarbons, mg/Kg	309

Group D

Parameter	Result *
Grain Size	Attached
Moisture, %	14
Ash, %	82
BTU's/lb	767
Total Halogens, mg/Kg	0.45
Total Petroleum Hydrocarbons, mg/Kg	700

* Results reported on Dry Weight Basis

Case No. D0628-01

Group E

Parameter	Result *
Grain Size	Attached
Moisture, %	23
Ash, %	67
BTU's/lb	777
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	156

Group F

Parameter	Result *
Grain Size	Attached
Moisture, %	7
Ash, %	26
BTU's/lb	7300

* Results reported on a Dry Weight Basis

Case No. D0628-01

Group G

Parameter	Result *
Grain Size	Attached
Moisture, %	5
Ash, %	82
BTU's/lb	2980

Group H

Parameter	Result *
Grain Size	Attached
Moisture, %	16
Ash, %	58
BTU's/lb	6240

* Results reported on a Dry Weight Basis

Thu Jul 15 09:43:11 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : D062A-01
Project No. : GTX-375
Boring No. : ---
Sample No. : Group H
Location : ---
Soil Description : Silt, trace of tar, some organics with sand
Remarks : *** SEE NOTE 1

Depth : ---
Test Date : 7/9/93
Test Method : ASTM D422

Filename : GROUPH
Elevation : ---
Tested by : krk
Checked by : gtt

FINE SIEVE SET

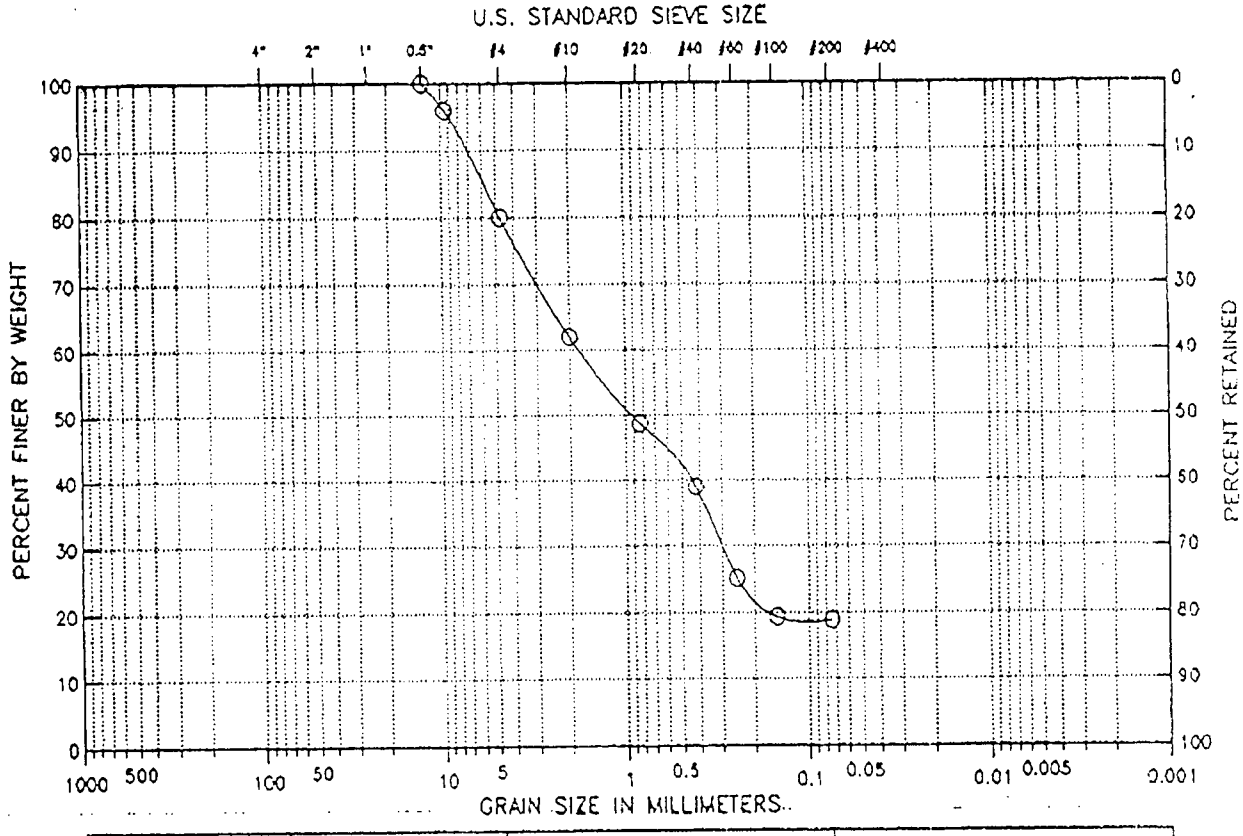
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	1.04	1.04	96
#4	0.187	4.75	4.12	5.16	80
#10	0.079	2.00	4.66	9.82	62
#20	0.033	0.84	3.44	13.26	49
#40	0.017	0.42	2.50	15.76	39
#60	0.010	0.25	3.56	19.32	25
#100	0.006	0.15	1.50	20.82	19
#200	0.003	0.07	0.14	20.96	19
Pan			12.77	33.73	0

Total Dry Weight of Sample = 33.73

D85 : 5.8988 mm
D60 : 1.7581 mm
D50 : 0.9173 mm
D30 : 0.2995 mm
D15 : N/A
D10 : N/A

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand with gravel
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

	Boring No. : --- Sample No: Group H Tested by : krk Filename : GROUPH	Project : D0628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993



Classification :
(SM) Silty sand with gravel
Visual Description :
Silt, trace of tar, some organics with sand

Remarks :
*** SEE NOTE 1

Figure 2

Thu Jul 15 09:43:08 1993 Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : B0628-01
Project No. : GTX-375
Boring No. : ---
Sample No. : Group A
Location : ---
Soil Description : Brown sand with organics (wood. fibers)
Remarks : ---

Depth : ---
Test Date : 7/9/93
Test Method : ASTM D422

Filename : GROUPA
Elevation : ---
Tested by : krk
Checked by : gtt

HYDROMETER

Hydrometer ID : hyl
Weight of air-dried soil = 30.51 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	8.10	23.60	3.69	0.051	11	0.051
2.00	7.30	23.60	2.89	0.036	9	0.036
4.00	6.80	23.60	2.39	0.025	7	0.025
8.00	6.20	23.70	1.82	0.018	5	0.018
15.00	6.00	23.60	1.59	0.013	5	0.013
31.00	5.30	23.50	0.85	0.009	3	0.009
60.00	4.90	23.40	0.42	0.007	1	0.007

FINE SIEVE SET

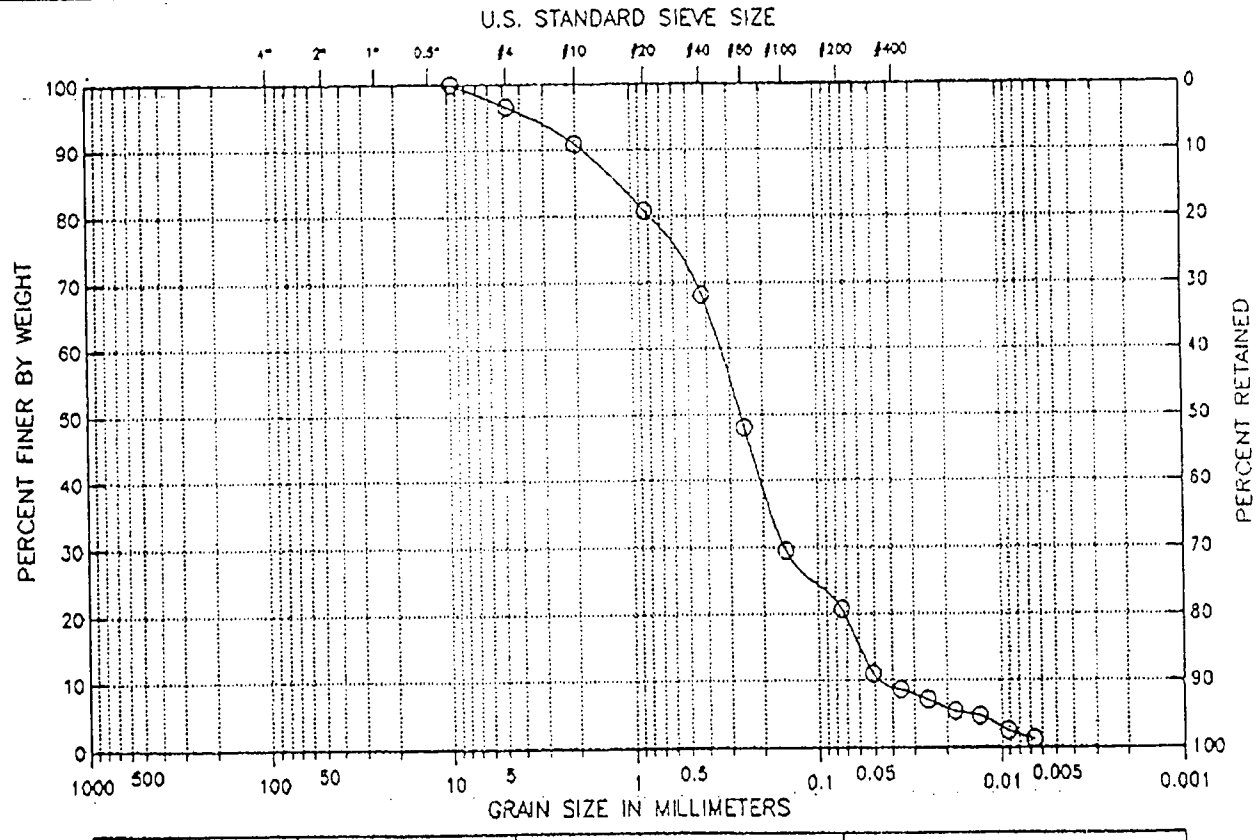
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	1.20	1.20	96
#10	0.079	2.00	1.90	3.10	91
#20	0.033	0.84	3.43	6.53	81
#40	0.017	0.42	4.29	10.82	68
#60	0.010	0.25	6.84	17.66	48
#100	0.006	0.15	6.26	23.92	30
#200	0.003	0.07	2.97	26.89	21
Pan			14.68	41.57	0

Total Dry Weight of Sample = 41.57

D85 : 1.2096 mm
D60 : 0.3408 mm
D50 : 0.2634 mm
D30 : 0.1510 mm
D15 : 0.0591 mm
D10 : 0.0438 mm

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

	Boring No. : --- Sample No: Group A Tested by : krk Filename : GROUPA	Project : 00628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993



Classification :
(SM) Silty sand
Visual Description :
Brown sand with organics (wood, fibers)

Remarks :

Figure 1.

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
Project No. : GTX-375
Boring No. : ---
Sample No. : Group B
Location : ---
Soil Description : Dark brown sand with wood fibers and some glass
Remarks : ---

Depth : ---
Test Date : 7/9/93
Test Method : ASTM D422

Filename : GROUPB
Elevation : ---
Tested by : krk
Checked by : gtt

HYDROMETER

Hydrometer ID : hy1
Weight of air-dried soil = 31.89 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	7.30	24.50	3.20	0.050	8	0.050
2.00	6.80	24.50	2.70	0.036	7	0.036
4.00	6.20	24.50	2.10	0.025	5	0.025
8.00	6.00	24.40	1.87	0.018	5	0.018
15.00	5.90	24.20	1.70	0.013	4	0.013
31.00	5.60	24.20	1.40	0.009	4	0.009

FINE SIEVE SET

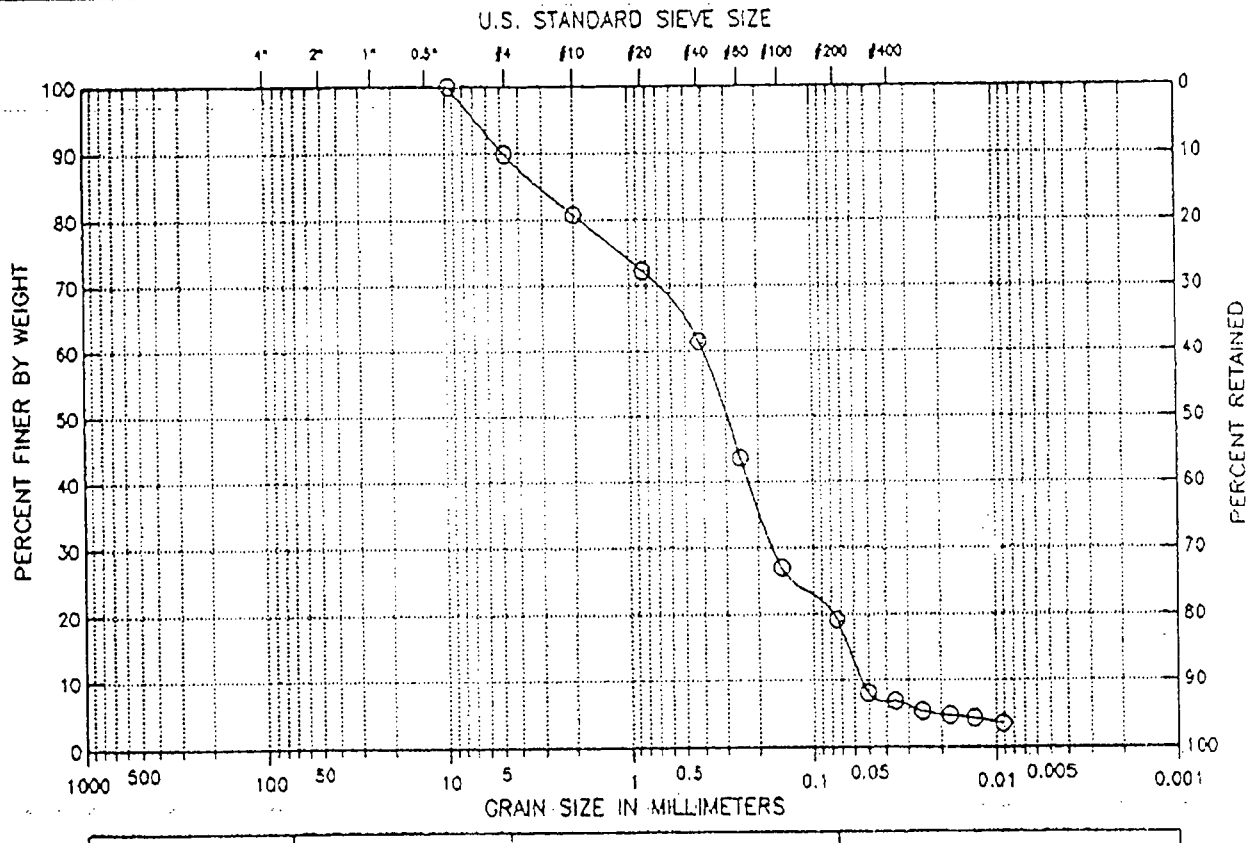
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	4.13	4.13	90
#10	0.079	2.00	3.68	7.81	81
#20	0.033	0.84	3.47	11.28	72
#40	0.017	0.42	4.38	15.66	61
#60	0.010	0.25	7.21	22.87	44
#100	0.006	0.15	6.75	29.62	27
#200	0.003	0.07	3.19	32.81	19
Pan			15.58	48.39	0

Total Dry Weight of Sample = 48.39

D85 : 2.9965 mm
D60 : 0.4028 mm
D50 : 0.3008 mm
D30 : 0.1634 mm
D15 : 0.0639 mm
D10 : 0.0537 mm

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

	Boring No. : --- Sample No.: Group B Tested by : krk Filename : GROUPB	Project : 00628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993



Classification :
(SM) Silty sand
Visual Description :
Dark brown sand with wood fibers and some glass

Remarks :

Figure 6

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
Project No. : CTX-375
Boring No. : ---
Sample No. : Group C
Location : ---
Soil Description : Brown sand with some organics
Remarks : ---

Depth : ---
Test Date : 7/13/93
Test Method : ASTM D422

Filename : GROUPC
Elevation : ---
Tested by : krk
Checked by : gtt

HYDROMETER

Hydrometer ID : hyl
Weight of air-dried soil = 37.8 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	8.20	24.60	4.14	0.050	10	0.050
2.00	7.20	24.60	3.14	0.036	8	0.036
4.00	6.80	24.60	2.74	0.025	7	0.025
8.00	6.10	24.50	2.00	0.018	5	0.018
15.00	5.90	24.40	1.77	0.013	4	0.013
30.00	5.50	24.30	1.33	0.009	3	0.009
60.00	4.30	24.30	0.13	0.007	0	0.007

FINE SIEVE SET

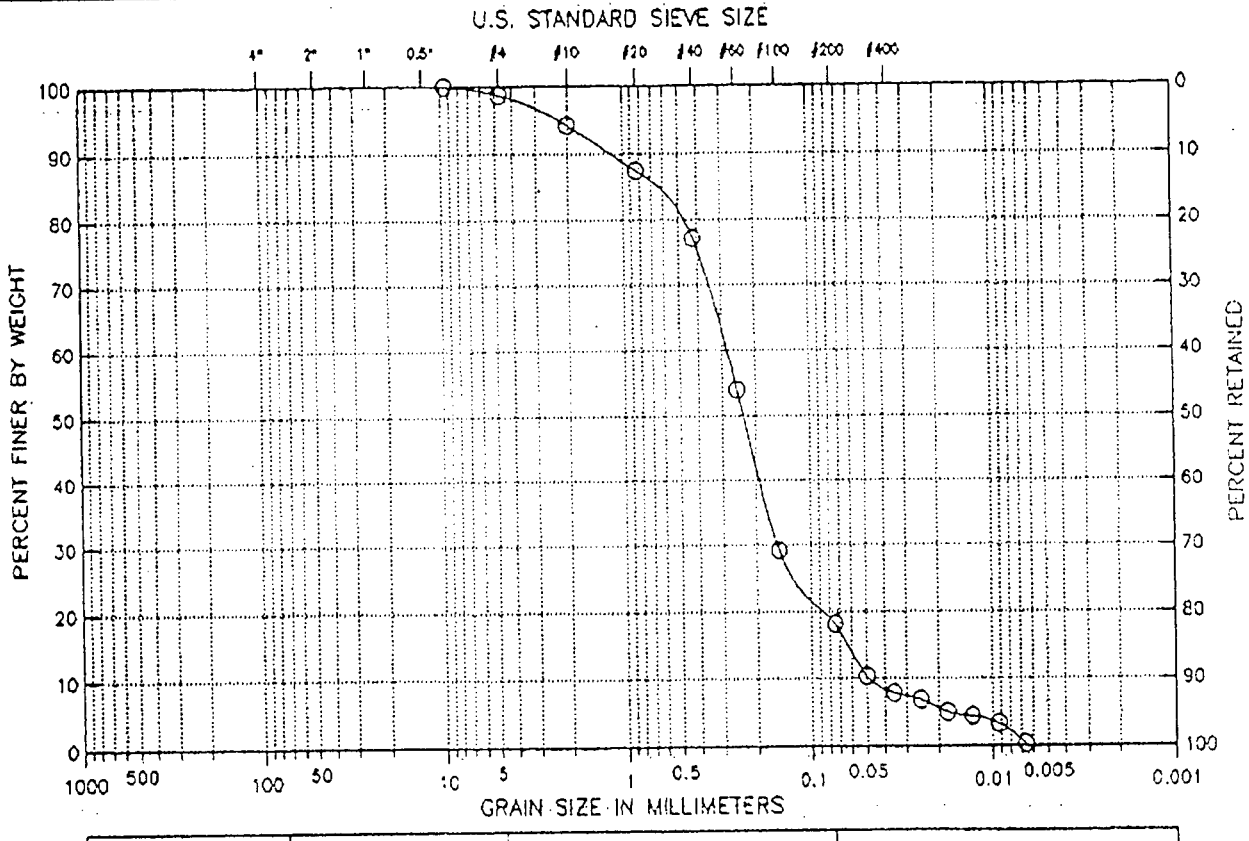
Sieve Mesh	Sieve Openings Inches	Millimetere	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.53	0.53	99
#10	0.079	2.00	1.80	2.33	94
#20	0.033	0.84	2.72	5.05	87
#40	0.017	0.42	4.12	9.17	77
#60	0.010	0.25	9.33	18.50	54
#100	0.006	0.15	9.94	28.44	29
#200	0.003	0.07	4.42	32.86	18
Pan			15.00	47.86	0

Total Dry Weight of Sample = 47.86

D85 : 0.7139 mm
D60 : 0.2863 mm
D50 : 0.2303 mm
D30 : 0.1516 mm
D15 : 0.0632 mm
D10 : 0.0478 mm

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

	Boring No. : --- Sample No: Group C Tested by : krk Filename : GROUPC	Project : D0628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993

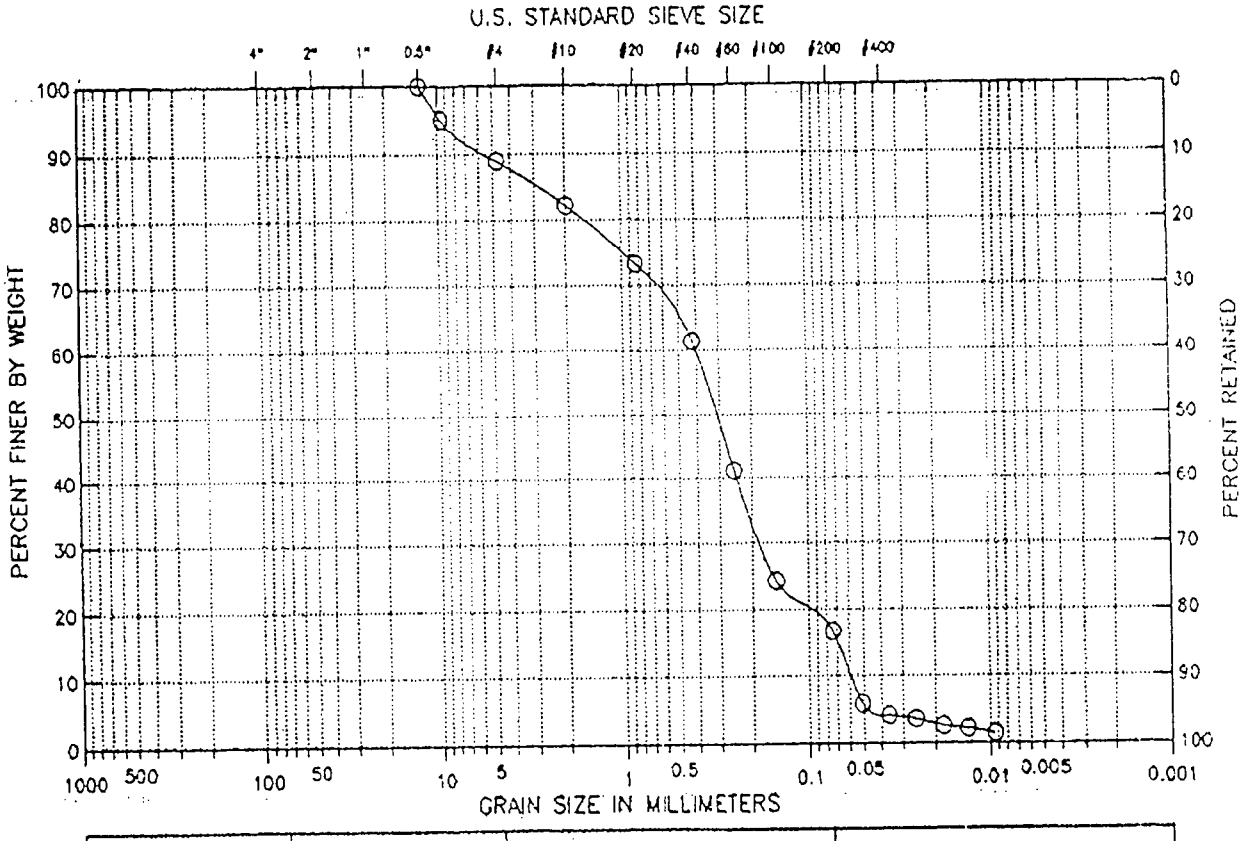


Classification :
(SM) Silty sand
Visual Description :
Brown sand with some organics

Remarks :

Figure 4

	Boring No. : --- Sample No: Group D Tested by : krk Filename : GROUPD	Project : D0628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993



Classification :
(SM) Silty sand
Visual Description :
Dark brown sand

Remarks :

Figure 7

Thu Jul 15 09:43:23 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
Project No. : GTX-375
Boring No. : ---
Sample No. : Group D
Location : ---
Soil Description : Dark brown sand
Remarks : ---

Depth : ---
Test Date : 7/9/93
Test Method : ASTM D422

Filename : GROUPD
Elevation : ---
Tested by : krk
Checked by : gtt

HYDROMETER

Hydrometer ID : hyi
Weight of air-dried soil = 32.95 gm
Specific Gravity = 2.66

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	6.00	23.50	2.35	0.051	6	0.051
2.00	6.10	23.50	1.65	0.036	4	0.036
4.00	5.90	23.50	1.45	0.026	4	0.026
8.00	5.50	23.50	1.05	0.018	3	0.018
15.00	5.30	23.60	0.89	0.013	2	0.013
30.00	5.00	23.60	0.59	0.009	1	0.009

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	2.02	2.02	95
#4	0.187	4.75	2.45	4.47	89
#10	0.079	2.00	2.73	7.20	82
#20	0.033	0.84	3.59	10.79	73
#40	0.017	0.42	4.85	15.64	61
#60	0.010	0.25	8.13	23.77	41
#100	0.006	0.15	6.83	30.60	24
#200	0.003	0.07	3.08	33.68	17
Pan			14.68	48.36	0

Total Dry Weight of Sample = 48.36

D85 : 2.8647 mm
D60 : 0.4059 mm
D50 : 0.3136 mm
D30 : 0.1773 mm
D15 : 0.0698 mm
D10 : 0.0587 mm

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

GEOTECHNICAL LABORATORY TEST DATA

Project : D0629-01
Project No. : GTX-375
Boring No. : ---
Sample No. : Group 5
Location : ---
Soil Description : Brown sand w/ twigs and wood fibers, oily deposits
Remarks : ---

Depth : ---
Test Date : 7/12/93
Test Method : ASTM D422

Filename : GROUP5
Elevation : ---
Tested by : krk
Checked by : gtt

HYDROMETER

Hydrometer ID : hy1
Weight of air-dried soil = 31.52 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	7.70	23.50	3.25	0.051	10	0.051
2.00	7.00	23.50	2.55	0.036	7	0.036
4.00	6.50	23.50	2.05	0.026	6	0.026
8.00	6.10	23.60	1.69	0.018	5	0.018
15.00	5.80	23.60	1.39	0.013	4	0.013
30.00	5.20	23.60	0.79	0.009	2	0.009
60.00	4.80	23.60	0.39	0.007	1	0.007

FINE SIEVE SET

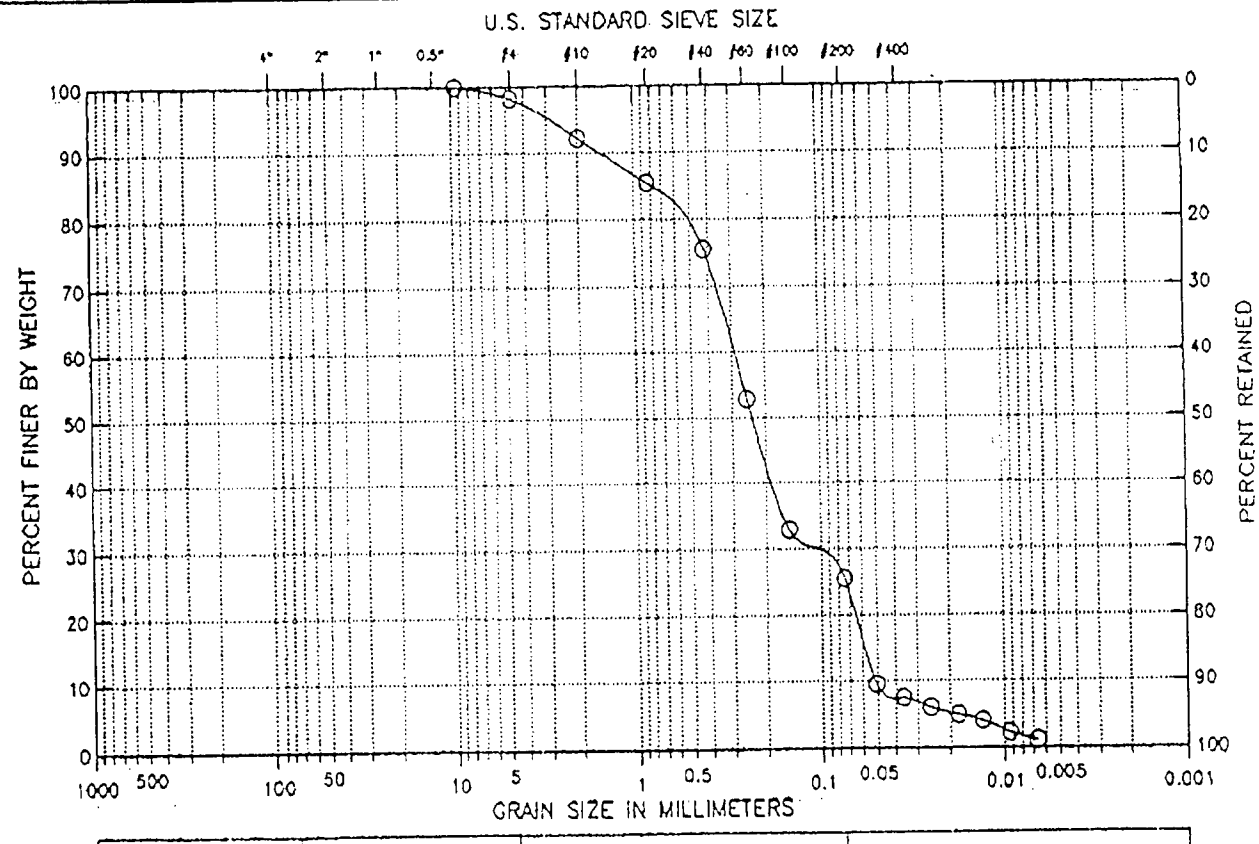
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.62	0.62	98
#10	0.079	2.00	2.05	2.67	92
#20	0.033	0.84	2.24	4.91	85
#40	0.017	0.42	3.38	8.29	76
#60	0.010	0.25	7.68	15.97	53
#100	0.006	0.15	6.75	22.72	33
#200	0.003	0.07	2.48	25.20	26
Pan			16.57	41.77	0

Total Dry Weight of Sample = 41.77

D85 : 0.8128 mm
D60 : 0.2947 mm
D50 : 0.2324 mm
D30 : 0.1134 mm
D15 : 0.0577 mm
D10 : 0.0513 mm

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

	Boring No. : --- Sample No: Group E Tested by : krk Filename : GROUPE	Project : D0628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993



Classification :
(SM) Silty sand
Visual Description :
Brown sand w/ twigs and wood fibers, oily deposits

Remarks :

Figure 3

GEOTECHNICAL LABORATORY TEST DATA

Project : P0628-01
Project No. : GTX-375
Boring No. : ---
Sample No. : Group F
Location : ---
Depth : ---
Test Date : 7/12/93
Test Method : ASTM D422
Filename : GROUPF
Elevation : ---
Tested by : krk
Checked by : gtt
Soil Description : Silt with tar, burned for organics, 46.2% organics
Remarks : *** SEE NOTE 1

FINE SIEVE SET

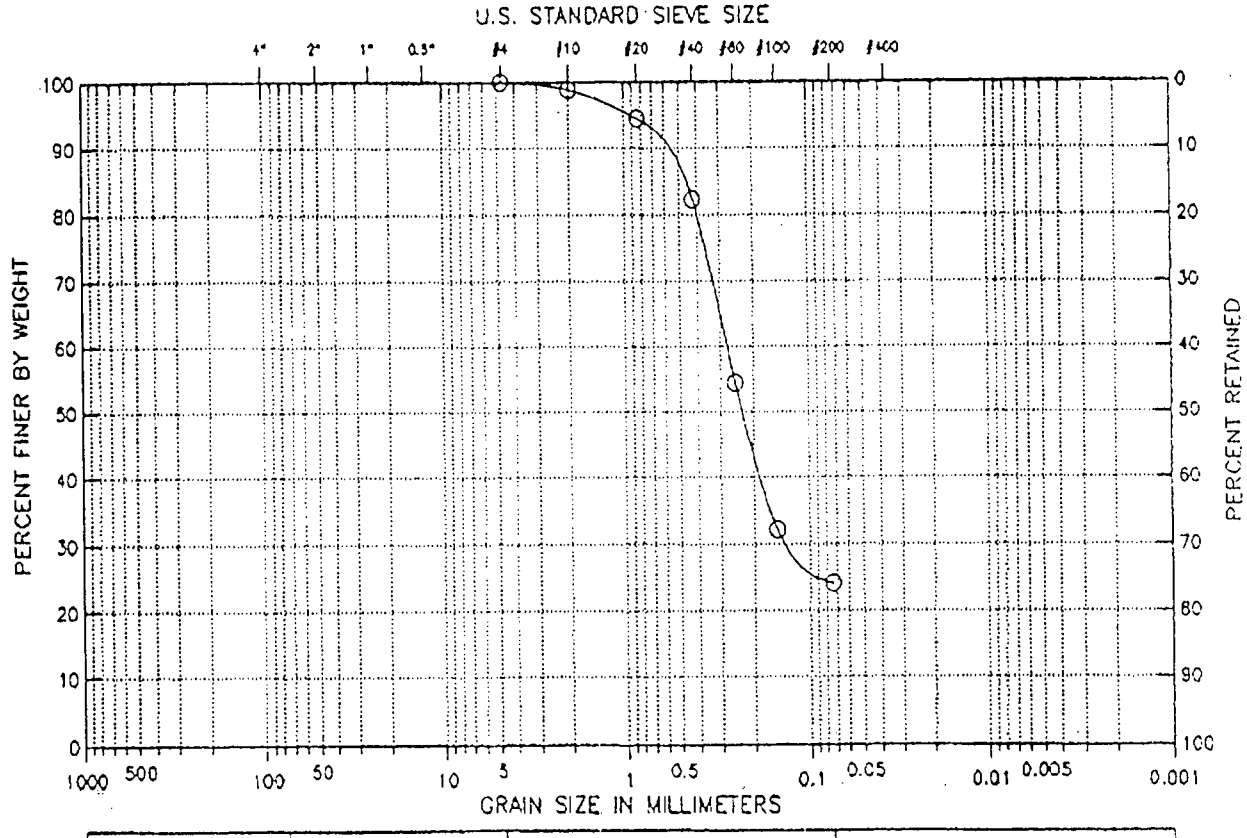
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.27	0.27	99
#20	0.033	0.84	0.98	1.25	94
#40	0.017	0.42	2.72	3.97	82
#60	0.010	0.25	6.25	10.22	54
#100	0.006	0.15	4.98	15.20	32
#200	0.003	0.07	1.79	16.99	24
Pan			13.35	30.34	0

Total Dry Weight of Sample = 30.34

D85 : 0.4908 mm
D60 : 0.2776 mm
D50 : 0.2258 mm
D30 : 0.1235 mm
D15 : N/A
D10 : N/A

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

	Boring No. : --- Sample No: Group F Tested by : krk Filename : GROUPF	Project : 00628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993



Classification :
(SM) Silty sand
Visual Description :
Silt with tar, burned for organics, 46.2% organics

Remarks :
*** SEE NOTE 1

Figure 1

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
Project No. : GTX-375
Boring No. : ---
Sample No. : Group G
Location : ---
Soil Description : Silt with some fine
Remarks : ---

Depth : ---
Test Date : 7/9/93
Test Method : ASTM D422

Filename : GROUPG
Elevation : ---
Tested By : RKR
Checked By : GTT

HYDROMETER

Hydrometer ID : hy1
Weight of air-dried soil = 18.77 gm
Specific Gravity = 2.65

Hydroscopic Moisture Content :
Weight of Wet Soil = 0 gm
Weight of Dry Soil = 0 gm
Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	4.00	28.70	1.26	0.049	6	0.049
2.00	3.80	28.70	1.06	0.035	5	0.035
4.00	3.50	28.70	0.76	0.024	4	0.024

FINE SIEVE SET

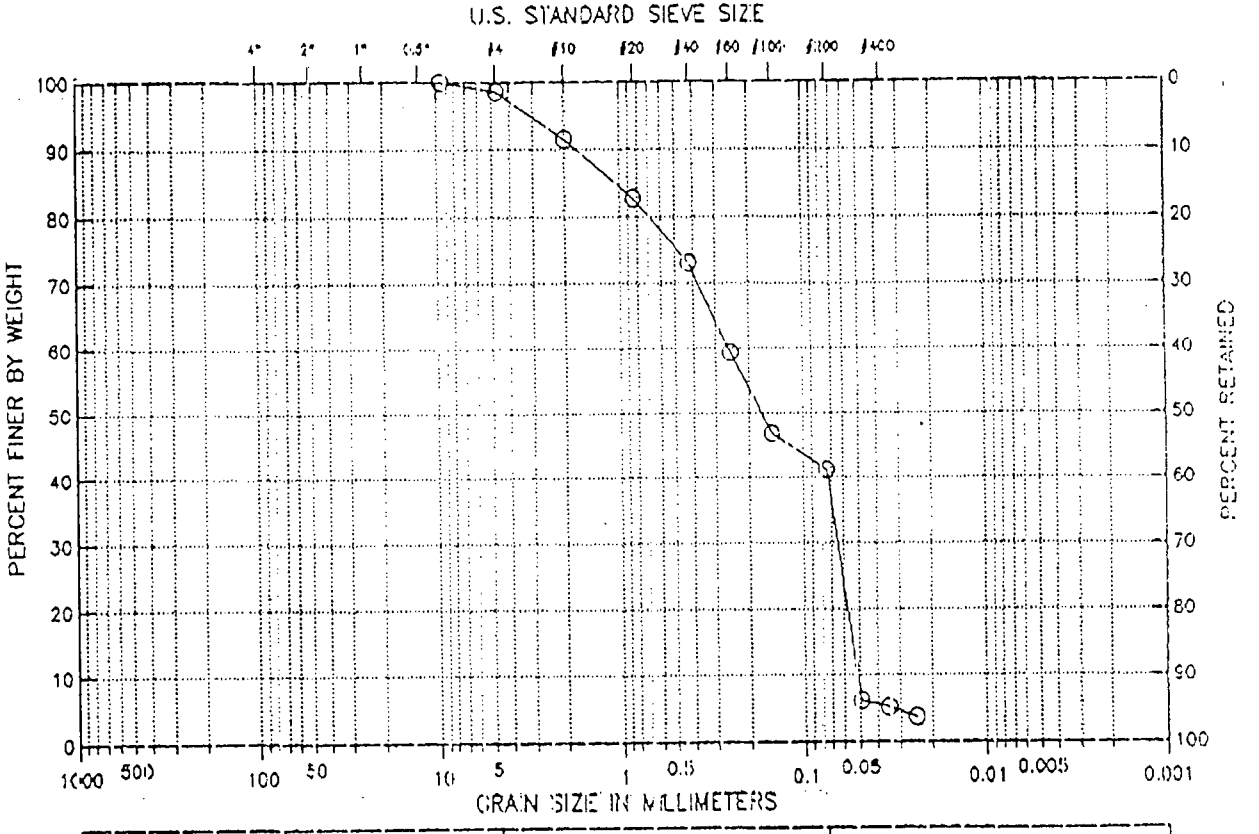
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.25	0.25	99
#10	0.079	2.00	1.25	1.50	92
#20	0.033	0.84	1.55	3.05	88
#40	0.017	0.42	1.70	4.75	73
#60	0.010	0.25	2.44	7.19	59
#100	0.006	0.15	2.20	9.39	47
#200	0.003	0.07	0.99	10.38	41
Pan			15.28	25.66	0

Total Dry Weight of Sample = 25.66

D85 : 1.0532 mm
D60 : 0.2570 mm
D50 : 0.1702 mm
D30 : 0.0648 mm
D15 : 0.0543 mm
D10 : 0.0511 mm

Soil Classification
ASTM Group Symbol : SM
ASTM Group Name : Silty sand
AASHTO Group Symbol : A-4(0)
AASHTO Group Name : Silty Soils

	Boring No. : --- Sample No: Group G Tested by : krk Filename : GROUPG	Project : 00628-01 Project No.: GTX-375 Location: --- Date : Thu Jul 15 1993



Classification :
(SM) Silty sand
Visual Description :
Silt with some tar

Remarks :

Figure 1

CUSTODY RECORD

CHAIN OF CUSTODY RECORD

DOE28-0

PROJ. NO.	PROJECT NAME
3-0947	Wells G;H - Wildwood Property

SAMPLERS: (Signature) Carl Hoff

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	TPH (Gas & Cl)	Total Halogens	Btu Content	Ash Content	Moisture Content	Cyanide, Total	REMARKS
Group A	2/5/93	-	Debris Soil Group A	1	X	X	X	X	X	X	Invoice Under Work Order No. 1000
Group B	2/9/93	5:00	Debris Soil Group B	1	X	X	X	X	X	X	
Group C	2/9/93	-	Debris Soil Group C	1	X	X	X	X	X	X	
Group D	2/9/93	-	Debris Soil Group D	1	X	X	X	X	X	X	
Group E	2/9/93	11:40	Debris Soil Group E	1	X	X	X	X	X	X	
Group F	5/12/93	3:40	Sludge Group F	1			X	X	X	X	Invoice Under Work Order No. 1000
Group G	5/12/93	10:25	Sludge Group G	1			X	X	X	X	
Group H	5/12/93	3:20	Sludge Group H	1			X	X	X	X	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Carl Hoff	6/25/93 -	Shipped Via Fed Ex			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		
		[illegible]	6/28/93		

REMARKS:

REMEDIATION TECHNOLOGIES INC

REMEDIATION TECHNOLOGIES
Damonmill Square
9 Pond Lane
Concord, MA 01742

REPORT OF ANALYTICAL RESULTS

Case Number: D0208-01

Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Andy Gaits

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 16 FEB 1993

Reviewed By: _____
Mark H. Bishop
Laboratory Director

Sample Description

The following sample was submitted to New England Testing Laboratory on 8 FEBRUARY 1993:

"Wells G & H"

1. Grp. A Rolloff Boxes 1-5

The Custody record is included in this report. The sample was assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0208-01

Request for Analysis

The following table details the analyses performed on the sample:

Sample	Analysis	Method*
1. Grp. A Rolloff Boxes 1-5	Corrosivity-pH	9040
	Reactivity-CN	Section 7.3.3.2
	S	Section 7.3.4.1
	Ignitability	1010
	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
	TC Pesticides	8080
	TC Herbicides	8150
	PCB's	8080

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

Quality Assurance/Control Statements

The sample was found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

The following quality control check samples were analyzed in parallel with the submitted samples:

TCLP Matrix Spike Analysis: Sample Grp. A Rolloff Boxes 1-5

TC METALS

	Fortification, mg/l	Result, mg/l	Recovery, %
Arsenic	0.200	0.212	106
Barium	2.00	2.60	95
Cadmium	2.00	2.03	102
Chromium	2.00	2.01	101
Lead	2.00	2.41	107
Mercury	0.005	0.0054	108
Selenium	0.200	0.215	108
Silver	2.00	2.05	103

TC VOLATILE ORGANIC COMPOUNDS

	Fortification, mg/l	Result, mg/l	Recovery, %
1,1-Dichloroethene	0.2	0.150	75
Trichloroethene	0.2	0.241	120
Benzene	0.2	0.221	110
Chlorobenzene	0.2	0.182	91
Carbon Tetrachloride	0.2	0.228	114
Chloroform	0.2	0.201	101
1,2-Dichloroethane	0.2	0.166	83
Methyl Ethyl Ketone	0.4	0.325	81
Tetrachloroethylene	0.2	0.240	120
Vinyl Chloride	0.2	0.252	126

TCLP Matrix Spike Analysis: Sample Grp. A Rolloff Boxes 1-5

TC SEMIVOLATILE ORGANIC COMPOUNDS

	Fortification, mg/l	Result, mg/l	Recovery, %
Hexachlorobenzene	0.156	0.109	70
Hexachloro-1,3-butadiene	0.156	0.112	72
Hexachloroethane	0.156	0.090	58
Nitrobenzene	0.164	0.117	71
Pyridine	0.160	0.214	134
2,4-Dinitrotoluene	0.160	0.146	91
1,4-Dichlorobenzene	0.152	0.109	72
o-Cresol	0.164	0.147	90
m-Cresol	0.348	0.221	64
p-Cresol	0.348	0.221	64
Pentachlorophenol	0.200	0.242	121
2,4,5-Trichlorophenol	0.156	0.125	80
2,4,6-Trichlorophenol	0.152	0.123	81

PESTICIDES/HERBICIDES

	Fortification, mg/l	Result, mg/l	Recovery, %
Lindane	0.125	0.075	60
Endrin	0.251	0.280	112
Heptachlor	0.125	0.066	53
Methoxychlor	1.25	0.866	69
2,4-D	2.5	2.07	83
2,4,5-TP Silvex	0.5	0.47	95

ANALYTICAL RESULTS

Case No. D0208-01

Grp. A Rolloff Boxes 1-5

Parameter	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.0
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: GRP. A Rolloff Boxes 1-5

Case No. D0208-01
Date Analyzed: 2/8/93

Subject: Pesticides and PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
Aldrin	N.D.	<0.1
alpha-BHC	N.D.	<0.1
beta-BHC	N.D.	<0.1
delta-BHC	N.D.	<0.1
gamma-BHC	N.D.	<0.1
Chlordane	90	<0.5
4,4'-DDD	N.D.	<0.1
4,4'-DDE	N.D.	<0.1
4,4'-DDT	N.D.	<0.1
Dieldrin	N.D.	<0.1
Endosulfan I	N.D.	<0.2
Endosulfan II	N.D.	<0.2
Endosulfan sulfate	N.D.	<0.2
Endrin	N.D.	<0.1
Endrin aldehyde	N.D.	<0.1
Heptachlor	N.D.	<0.1
Heptachlor epoxide	N.D.	<0.1
Methoxychlor	N.D.	<0.2
Toxaphene	N.D.	<0.5
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Sample: Grp. A Rolloff Boxes 1-5 Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Analyzed*: 2/10/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	0.70	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	0.28	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. A Rolloff Boxes 1-5 Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Analyzed: 2/11/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	95	88-110
1,2-Dichloroethane-d4	95	76-114
4-Bromofluorobenzene	103	86-115

Sample: Grp. A Rolloff Boxes 1-5 Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Prep Extracted: 2/11/93
Date Analyzed: 2/12/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	90	35-114
2-Fluorobiphenyl	92	43-116
p-Terphenyl d14	112	33-141
Phenol d6	44	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	92	10-123

Sample: Grp. A Rolloff Boxes 1-5 Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Prep Extracted: 2/11/93
Date Analyzed: 2/12/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	0.004	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

CUSTODY RECORD

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
0947	WELLS G&H

SAMPLERS: (Signature) Dirk Gotthardt

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	Full TCLP	RCRA CHAR.	PCB	REMARKS
CKR A	2-5-93	4:00	ROLLOFF BOXES 1-5	1	X	X	X	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Dirk Gotthardt	2-5-93 5:30 PM	SHIPPED VIA FED EX AIRBILL # 6669598165			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) A. Marmalas	Date / Time 2/8/93		

REMARKS:

REMEDIATION TECHNOLOGIES INC

REMEDIATION TECHNOLOGIES
Damonmill Square
9 Pond Lane
Concord, MA 01742

REPORT OF ANALYTICAL RESULTS

Case Number: D0210-05

Prepared for:

Remediation Technologies
Damonmill Square
9 Pond Lane
Concord, MA 01742
Attn: Andy Gaits

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 16 FEB 1993

Reviewed By: Mark H. Bishop
Laboratory Director

Sample Description

The following samples were submitted to New England Testing Laboratory on 10 FEBRUARY 1993:

"Wells G & H"

1. Grp. B Rolloff Boxes 6-11
2. Grp. C Rolloff Box 12
3. Grp. D Rolloff Box 13 & Stockpiled soil
4. Grp. E Dumpster 14,15,16

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0210-05

Request for Analysis

The following table details the analyses performed on the samples:

Sample	Analysis	Method*
1. Grp. B	Reactivity	
2. Grp. C	Cyanide	7.3.3.2
3. Grp. D	Sulfide	7.3.4.1
4. Grp. E	Corrosivity-pH	9040
	Ignitability	1010
	PCB's	8080
	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
	Pesticides	8080
	Herbicides	8150

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0210-05

Grp. B Rolloff Boxes 6-11

Parameter	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	7.6
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached.

Sample: Grp. B Rolloff Boxes 6-11 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	0.94	100.0
Cadmium	0.20	1.0
Chromium	<0.05	5.0
Lead	0.62	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. B Rolloff Boxes 6-11 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	89	88-110
1,2-Dichloroethane-d4	96	76-114
4-Bromofluorobenzene	96	86-115

Sample: Grp. B Rolloff Boxes 6-11 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. B Rolloff Boxes 6-11 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	92	35-114
2-Fluorobiphenyl	95	43-116
p-Terphenyl d14	120	33-141
Phenol d6	45	10-94
2-Fluorophenol	68	21-100
2,4,6-Tribromophenol	97	10-123

Sample: Grp. B

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	*	<0.5
PCB-1260	*	<0.5

Comment: This sample contains chlordane at 60 mg/Kg

* Note: This sample exhibits an ECD component profile which does not match - but may be considered consistent with a 1254/1260 Aroclor. When quantified as a 1254 Aroclor the level is approximately 28 mg/Kg.

Case No. D0210-05

Grp. C Rolloff Box 12

Parameter	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	7.1
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. C Rolloff Box 12 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	1.02	100.0
Cadmium	0.10	1.0
Chromium	<0.05	5.0
Lead	0.29	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. C Rolloff Box 12 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	88	88-110
1,2-Dichloroethane-d4	97	76-114
4-Bromofluorobenzene	103	86-115

Sample: Grp. C Rolloff Box 12 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. C Rolloff Box 12 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	80	35-114
2-Fluorobiphenyl	87	43-116
p-Terphenyl d14	91	33-141
Phenol d6	45	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	107	10-123

Sample: Grp. C

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	25	<0.5

Comment: This sample contains chlordane at 46 mg/Kg

Case No. D0210-05

Grp. D Rolloff Box 13 & Stockpiled Soil

Parameter	Result, mg/Kg
Reactivity	
Sulfide	1.1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	1.36	100.0
Cadmium	0.36	1.0
Chromium	0.27	5.0
Lead	0.66	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/10/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	91	88-110
1,2-Dichloroethane-d4	93	76-114
4-Bromofluorobenzene	102	86-115

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. D Rolloff Box 13 & Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	82	35-114
2-Fluorobiphenyl	88	43-116
p-Terphenyl d14	85	33-141
Phenol d6	44	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	98	10-123

Sample: Grp. D

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 0.84 mg/Kg

Case No. D0210-05

Grp. E Dumpster 14,15,16

Parameter	Result, mg/Kg
Reactivity	
Sulfide	1.9
Cyanide	<0.3
Corrosivity	
pH, S.U.	4.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached.

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	0.51	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.2	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	92	88-110
1,2-Dichloroethane-d4	102	76-114
4-Bromofluorobenzene	110	86-115

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	80	35-114
2-Fluorobiphenyl	83	43-116
p-Terphenyl d14	98	33-141
Phenol d6	39	10-94
2-Fluorophenol	62	21-100
2,4,6-Tribromophenol	100	10-123

Sample: Grp. E

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 1.1 mg/Kg

CUSTODY RECORD

D0210-03

PROJ. NO.	PROJECT NAME
0947	WELLS G&H

SAMPLERS: (Signature) Dieter Heith

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS		FULL TCL	RCRA CHAR.	PCBs			REMARKS
GRP B	2-8-93	5:00	ROLLOFF BOXES 6-11	1		X	X	X			
GRP C	2-9-93	9:45	ROLLOFF BOX 12	1		X	X	X			
GRP D	2-9-93	10:35	ROLLOFF BOX 13 + STOCKPILED SOIL	1		X	X	X			
GRP E	2-9-93	11:35	DUMPSTER 14, 15, 16	1		X	X	X			

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Dieter Heith	2-9-93 3:00	SHIPPED VIA FED EX AIRBILL #6955981176			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) AMY MARCUS	Date / Time 2/10/93		

REMARKS:

REMEDIATION TECHNOLOGIES
Damonmill Square
9 Pond Lane
Concord, MA 01742

Attachment C-2

Debris Soil B

REPORT OF ANALYTICAL RESULTS

Case Number: D0817-05

Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Jamie Greacen

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 3 SEPT 1993

Reviewed By: Mark H. Bishop
Laboratory Director

Sample Description

The following samples were submitted to New England Testing Laboratory on 17 AUG 1993:

"Wells G & H RD/RA"

1. #1 Debris Soil B
2. #2 Bas

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0817-05

Request for Analysis

The following table details the analyses performed on the samples:

Sample	Analysis	Method*
D0817-05:		
1. #1	Corrosivity-pH	9040
	Reactivity-CN	Section 7.3.3.2
	-S	Section 7.3.4.1
	Ignitability	1010
	Pesticides/PCB's	8080
	Ash	209D
	BTU's	D2382-76
	Grain Size	D422
	Moisture	EPA/CE 3-58
1. #1 2. #2	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	TC Pesticides	8080
	TC Herbicides	8150
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
2. #2	TCLP Extraction	1311
	Sulfide	376.2
	Sulfite	377.1
	Sulfate	375.4
	Barium	6010
	Sulfide	9030
	Sulfate	9038
	Sulfite	

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

Procedure for Handling and Chemical Analysis of Sediment adn Water Samples, EPA/CE-81-1, US Army Engineer Waterways Experiment Station.

Standard Methods for the Examination of Water and Wastewater, 16 & 17th Edition, 1989, APHA, AWWA-WPCF.

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0817-05

#1 Debris Soil B

Parameter	Result, mg/Kg
Ash, %	71
BTU's/lb	1850
Grain Size	Attached
Moisture, %	18
Reactivity	
Sulfide	<1.0
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.0
Ignitability, Deg. F	>200
Pesticides/PCB's	Attached
TCLP Extractables	Attached

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93
Date Analyzed*: 8/23/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	0.59	100.0
Cadmium	0.16	1.0
Chromium	<0.05	5.0
Lead	0.46	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93
Date Analyzed: 8/29/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.05	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	88	88-110
1,2-Dichloroethane-d4	113	76-114
4-Bromofluorobenzene	99	86-115

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93
Date Prep Extracted: 8/24/93
Date Analyzed: 9/1/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93
Date Prep Extracted: 8/24/93
Date Analyzed: 8/25/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	47	35-114
2-Fluorobiphenyl	62	43-116
p-Terphenyl d14	67	33-141
Phenol d6	31	10-94
2-Fluorophenol	36	21-100
2,4,6-Tribromophenol	58	10-123

Sample: #1 Debris Soil B

Case No. D0817-05
Date Analyzed: 8/19/93

Subject: Pesticides and PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
Aldrin	N.D.	<0.1
alpha-BHC	N.D.	<0.1
beta-BHC	N.D.	<0.1
delta-BHC	N.D.	<0.1
gamma-BHC	N.D.	<0.1
Chlordane	8.2	<0.5
4,4'-DDD	N.D.	<0.1
4,4'-DDE	N.D.	<0.1
4,4'-DDT	4.6	<0.1
Dieldrin	N.D.	<0.1
Endosulfan I	N.D.	<0.2
Endosulfan II	N.D.	<0.2
Endosulfan sulfate	N.D.	<0.2
Endrin	N.D.	<0.1
Endrin aldehyde	N.D.	<0.1
Heptachlor	N.D.	<0.1
Heptachlor epoxide	N.D.	<0.1
Methoxychlor	N.D.	<0.2
Toxaphene	N.D.	<0.5
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5
PCB-1262	16	<0.5

GEOTECHNICAL LABORATORY TEST DATA

Project : Debris Soil B
Project No. : GTX-413
Boring No. : ---
Sample No. : D0817-05
Location : ---
Depth : ---
Test Date : 9/3/93
Test Method : ASTM D422
Filename : D081705
Elevation : ---
Tested by : cnr
Checked by : gtt
Soil Description : Dark brown sand with some organics
Remarks : Burned to remove organics before testing (13%)

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.26	0.26	97
#10	0.079	2.00	0.63	0.89	90
#20	0.033	0.84	1.07	1.96	77
#40	0.017	0.42	1.55	3.51	59
#60	0.010	0.25	1.96	5.47	36
#100	0.006	0.15	1.45	6.92	19
#200	0.003	0.07	0.57	7.49	12
Pan			4.67	12.16	0

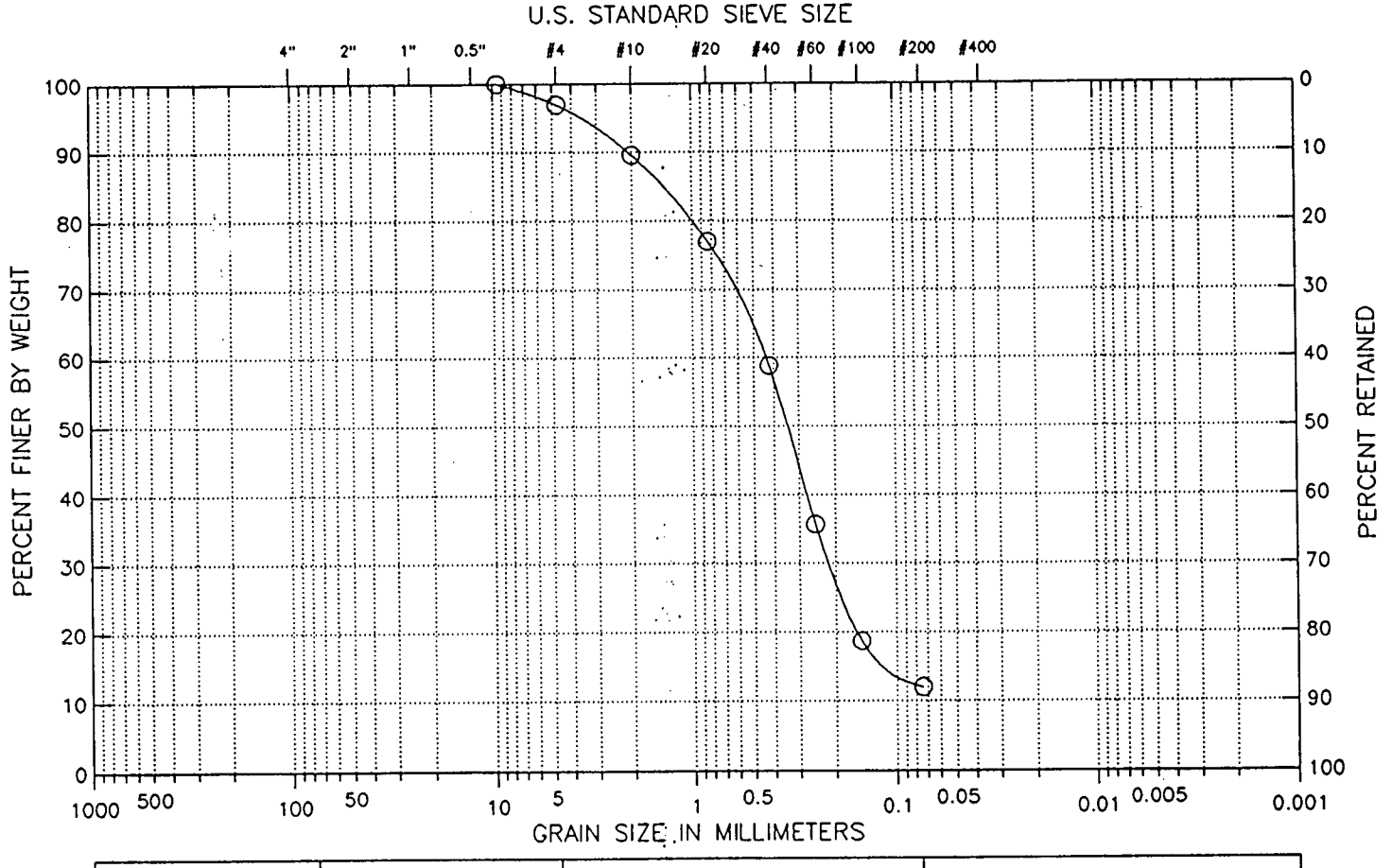
Total Dry Weight of Sample = 12.16

D85 : 1.4626 mm
D60 : 0.4404 mm
D50 : 0.3448 mm
D30 : 0.2101 mm
D15 : 0.1014 mm
D10 : 0.0601 mm

Soil Classification
ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)
AASHTO Group Name : Silty Gravel and Sand

GeoTesting Express
Concord, MA

	Boring No. : --- Sample No.: D0817-05 Tested by : cnr Filename : D081705	Project : Debris Soil B Project No.: GTX-413 Location: --- Date : Tue Sep 07 1993



Classification :

Visual Description :
Dark brown sand with some organics

Remarks :
Burned to remove organics before testing (13%)

Figure 1

CUSTODY RECORD

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

D0817-05

CHAIN OF CUSTODY RECORD

PROJ. NO. 3-0947-00 | PROJECT NAME Wells G+H RD/RA

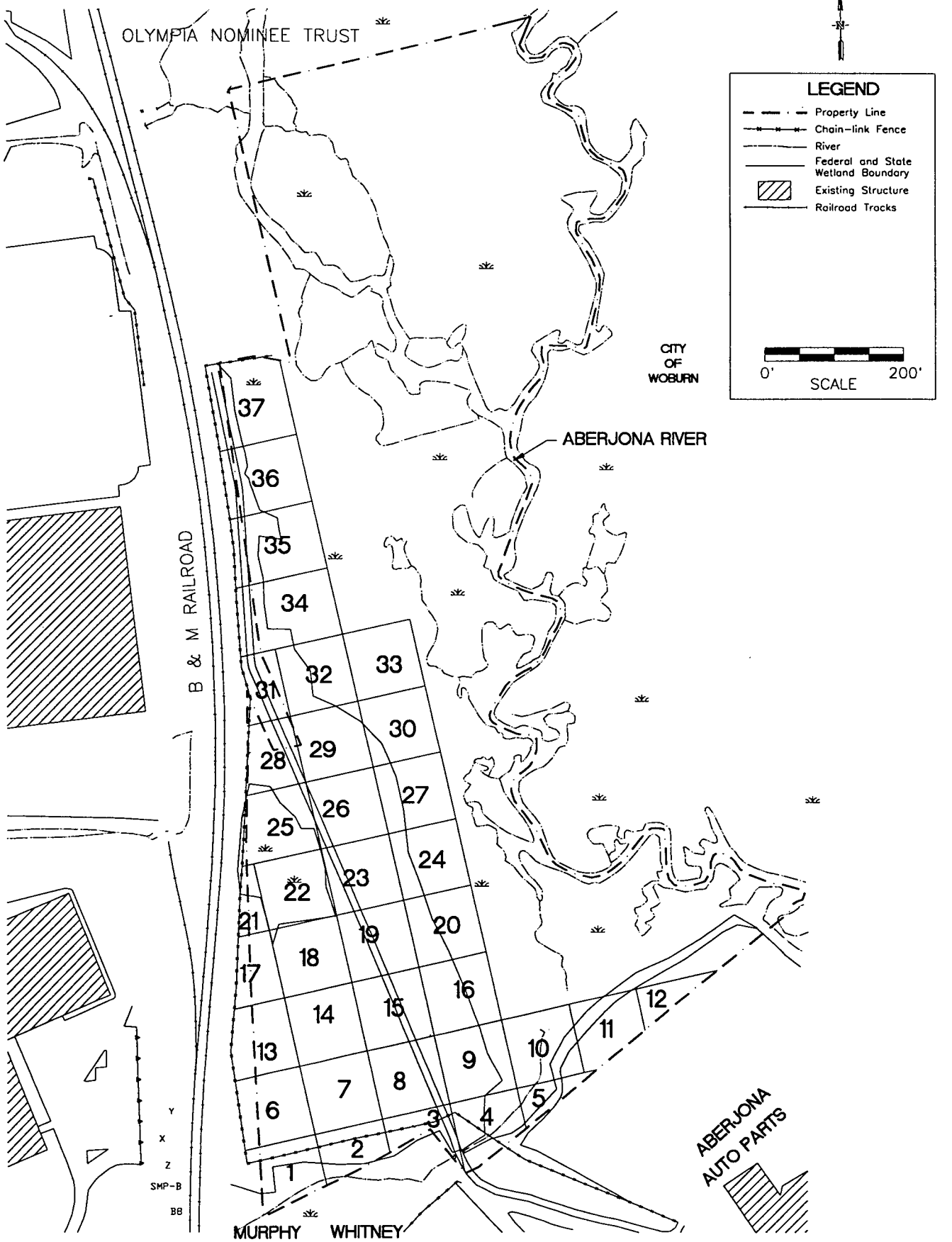
CLIENT RETEC

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TESTS: Disposal Characterization	8080 - Cal Tech	TCLP - Full List	Sulfide - TC + Total	Sulfite - TC + Total	Sulfate - TC + Total	TCL + TAL	REMARKS
1 Debris Soils	8-16-93	4pm	x		Debris Piles 6, 7, 9, 13, + Bath	2	✓	✓	✓					As per verbal discussions. First analysis EPA 8080, subsequent analyses subject to results of EPA 8080
2 BAS	8-16-93	4pm	x		Test Pits near wells 7 and 12	2			✓	✓	✓	✓	✓	✓ Add sulfide, sulfite, and sulfate to the leachate analyte list

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
James R Gracian	8-16-93 5pm	Fed Ex			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		[illegible]	8/17/93	* ADA BTU Grain Size. MOIST - TCRA Ch...	

APPENDIX D

MISCELLANEOUS DEBRIS



SITE GRID

FIGURE
D-1
WILDW3.DWG

TABLE D-1

Drum Inventory

Wildwood Property
Wells G & H Superfund Site

Grid Cell #	Drum Labeled	PID/OVA (ppm)	Description
3	3–1	0.2	rusted, crushed, contained plastic debris
	3–2	0.4	crushed
4	4–1	0.3	rusted open
	4–2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
	unlabeled	NM	buried in debris pile 4–1
16	16–1	NM	1/2 deteriorated, 1/4 full of water
25	25–1	0.0	metal, rusted, open, 10–gal cardboard container within
	25–2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25–3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25–4	0.0	mostly intact, bung open, contents unknown
	25–5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26–1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26–2	NM	open top, 1/3 full, glass, black sludge
28	28–1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28–2	6.0	30 gal, top rusted off, contents unknown
	28–3	0.8	rusted, crushed and full of plastic sheeting
	28–4	0.0	open top, rusted open, crushed; contains leaves
	28–5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28–6	5.0	2/3 buried, largely deteriorated, surrounded by tar–like sludge
	28–7	0.0	open at bung, contents unknown
	28–8	7.0	badly rusted, 1/3 full yellow–brown powder
	28–9	0.0	open at bung, contents unknown
	28–10	0.0	open at bung, contents unknown
	28–11	0.0	open at bung, bulged middle
	28–12	0.0	open at bung
	28–13	3.0	rusted open; 1/4 full of yellow powder
	28–14	0.0	open at side bung, bulged, yellow powder
	28–15	NM	rusted through, yellow powder
	28–16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31–1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
	31–2	0.2	bung holes open, 1/8 full of unknown liquid
	31–3	0.0	open top, side rusted; empty
	31–4	0.0	open top, contains liquid, hose, and soil
	31–5	0.0	rusted open, open top; contains soil & organic matter
32	32–1	1.0	bulging, rusted open; no contents
34	34–1	0.0	rusted, split in half
	34–2	0.8	open top, half crushed
	34–3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34–4	0.0	1/2 remanent; contains leaves, soda cans
	34–5	0.0	bottom rusted off, partially full of leaves & dirt
35	35–1	0.2	open top, crushed
	35–2	0.0	closed top, rusted open, no bungs

ATTACHMENT D-1

CONSTRUCTION DEBRIS

BFI® Waste Systems™
BROWNING-FERRIS INDUSTRIES

WCD No. AA 83213
BFI WASTE CODE

WASTE EVALUATION REQUEST

BFI to complete this area.
BFI Initiator
Location
Company Number Date
Telephone Number ( )
Action Requested: ☐ New Waste Approval
☐ Up-Date Approval ☐ Priority
☐ Other

Previous Laboratory Number
Management Method Requested: ☐ Landfill ☐ Hauling
☐ Other
Disposal Site Requested
Company Number P.O. Number
Analyses Requested: ☐ TCLP ☐ RCI
☐ Other
Analyses To Follow: ☐ TCLP ☐ Other

WASTE CHARACTERIZATION DATA

Special Waste

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.

1. GENERATOR INFORMATION

a) Generator's Name: BEATRICE FOODS INC.
b) Generating Facility Address: 248 REAR SALEM ST.
City: WOBURN State: MA Zip:
c) Company Representative: ANDREW GATES
Title: ENVIRONMENTAL ENGINEER / RETEC
d) Emergency Contact: JAMES GRAEGEN
Title PROJECT MANAGER / RETEC

e) Local Registration No. N/A
Generator's EPA Id. No. N/A
f) Telephone No. (508) 371-1422
After Hours No. (508) 287-0185
Emergency No. (508) 371-1422

2. GENERAL WASTE STREAM INFORMATION

a) Description of The Waste: CONSTRUCTION DEBRIS + TRASH CONTAMINATED WITH PCB'S
b) Process Generating Waste: EXCAVATION AND REMOVAL OF CONSTRUCTION DEBRIS + TRASH
c) Is this a treatment residue of a waste which was previously a restricted characteristically hazardous waste? ☐ Yes ☒ No
d) Is this a "Hazardous Waste" as defined by State or local Regulations? ☐ Yes ☒ No
If yes, enter the Waste Identification Number if one has been assigned: N/A
e) Is this a "Special Waste", an "Industrial Process Waste", or a "Polution Control Waste" as defined by State or local Regulations?
☐ Yes ☒ No If yes, enter Waste Identification Number: N/A
f) Recommended personal protection equipment and special handling procedures: LEVEL D
g) Anticipated Volume: 250 ☐ Gallons ☐ Tons ☒ Cubic Yards ☐ Other
Per: ☐ Day ☐ Week ☐ Month ☐ Year ☒ One Time, or ☐ Other
To be transported in: ☒ Bulk ☐ Drums (type/size) ☐ Other
h) Is a representative sample included? ☐ Yes ☒ No – If yes, complete the RSC found on the reverse side.

3. WASTE PROPERTIES @ 72°F

a) Physical State:
☒ Solid ☐ Semi-solid
☐ Powder ☐ Liquid
☐ Combination
b) Odor:
Describe NONE
☒ None ☐ Mild ☐ Strong
c) Flash Point, °F:
☐ ≤72 ☐ 73-100 ☐ 101-140
☐ 141-200 ☒ ≥201 ☐ N/A ☐ N/D

d) Layers:
☒ Single Phase ☐ Bi-layered ☐ Multi-layered
e) Density Range: to
☒ N/D ☐ lbs./gal. ☐ g./cc.
☐ lbs./yd.³ ☐ Other
f) Color(s):
Describe miscellaneous
g) pH:
☐ ≤2.0 ☒ 2.1-5.0 ☒ 5.1-9.0
☐ 9.1-12.4 ☐ ≥12.5 ☐ N/A ☐ N/D

4. REACTIVITY

Note if the waste exhibits any of the following reactive properties:
☐ Water Reactive ☐ Alkaline Reactive ☐ Pyrophoric ☐ Thermally Sensitive
☐ Acid Reactive ☐ Autopolymerizable ☐ Explosive ☐ Shock Sensitive
☒ None of the above

BFI WASTE CODE

5. THIS WASTE CONTAINS

Note if the waste contains any of the following:

- ☐ Free Liquids
- ☐ Free Cyanide
- ☐ Free Sulfide
- ☐ Free Ammonia
- ☐ Dioxins
- ☐ Organic Solvents
- ☐ Used Oils
- ☐ Virgin Oils
- ☐ Etiological Agents
- ☐ Pathogens
- ☒ OSHA Substances
- ☐ Biological Materials
- ☒ PCBs not regulated by TSCA 40 CFR 761
- ☐ None of the above

If any of the above are checked "Yes", specify type (if applicable) and include its concentration as part of the waste composition, Section 6.

6. COMPLETE WASTE COMPOSITION

Concentration ranges are suggested, but total must equal 100%. Units must be identified and are to be in parts per million (ppm) and/or percentages (%). Attach additional pages if necessary.

Components	Range Min. / Max.	Components	Range Min. / Max.
Construction debris + trash	> 99.99%		
lead	< .005%		
PCB's	< .005%		

7. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: N/A

USDOT Hazard Class: _____ UN or NA Number: _____ CERCLA Reportable Quantity _____

8. SUPPLEMENTAL INFORMATION

☐ None ☐ MSD Sheets ☒ Analytical Data ☒ Memo/Letter ☐ Waste Composition

☐ Other - describe _____ No. of Pages 47

9. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, that all known or suspected hazards have been disclosed, and that the waste is not designated a Hazardous Waste by the USEPA or contains PCBs regulated by TSCA 40 CFR 761.

GENERATOR'S AUTHORIZED SIGNATORY:

DATE	PRINT NAME	SIGNATURE	TITLE	INITIALS
5-17-93	James R. Greacen	James R Greacen	Agent for Beatrice	

REPRESENTATIVE SAMPLE CERTIFICATE

This Section is to be completed by the person obtaining the sample of the above described waste, preferably a representative of the generator. **DO NOT** COLLECT OR SUBMIT SAMPLES THAT ARE RADIOACTIVE, SHOCK SENSITIVE, EXPLOSIVE, OR PYROPHORIC.

I certify that the sample identified below that is being forwarded to BFI for evaluation is representative of the waste described above. I also understand that, should the waste material described herein not be acceptable for management by BFI Waste Systems, the sample(s) may be returned to the generator.

Collector's Name: _____

Signature: _____

Company: _____

Title: _____

Telephone Number: ( ) _____

(Peel Off Label)

Generator's Name: _____

Waste Description: _____

Date Collected: _____ WCD No. AA 83213

Date at BFI Lab: _____ BFI Lab No. _____

wcd Rev: 9/91

ATTACHMENT D-2

DRUM CARCASSES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

Form Approved. OMB No. 2050-0039 Expires 9-30-94

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. M P 6 1 7 9 3 5 5 5 2 3	Manifest Document No. 02456	2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: MI 3102456

3. Generator's Name and Mailing Address:
Wildwood Conservation Corporation care of RETEL
~~246 Salem Street Road, Woburn MA 01801~~
9 Pond Lane Concord MA 01742

B. State Generator's ID: Wildwood Corp. 246 Salem St., Woburn MA

4. Generator's Phone (508) 371-1422

5. Transporter 1 Company Name: Jeffrey Chemical Company	6. US EPA ID Number: M A D 0 8 0 0 3 0 3 5 6	C. State Transporter's ID: MA 39460
		D. Transporter's Phone: 508-657-7560
7. Transporter 2 Company Name:	8. US EPA ID Number:	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address: Wayne Disposal Inc. 49350 No. I-94 Service Drive Belleville MI 48111	10. US EPA ID Number: M I D 0 4 8 0 9 0 6 3 3	G. State Facility's ID
		H. Facility's Phone: 313-697-7830

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a.	Non Hazardous Solid Not DOT, Not RCRA Regulated	011	CM	00005	Y	NHCS	N
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
11a. empty drums CODE 011794WA

K. Handling Codes for Wastes Listed Above: a/ b/ c/ d/

15. Special Handling Instructions and Additional Information CERTIFICATE OF DISPOSAL REQUIRED. #1043735
Emergency Contact: Janice Greacen 508 371 1422

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
[illegible] (Agent for Beatrice)	[signature]	05 06 94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
James R. Fallon	James R. Fallon	05 06 94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
	[signature] Moore	05 09 94

ENVOTECH®

MANAGEMENT SERVICES, INCORPORATED

Certificate of Disposal

This certificate is to verify the wastes specified on Manifest # MI3102456 have been properly disposed of in accordance with all local, state, and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

Facility Name:	**Envotech Management Services**
Address:	**49350 North Service Drive** **Belleville, Michigan 48111**
Phone Number:	**(313)697-2200**
EPA ID No.:	**MID 000 724 831**

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

Envotech Management Services, Inc.

Signed: Brian Smagge
(Authorized Signature)

APPENDIX E

DRUM RESIDUES/TRANSPORTATION/DISPOSAL

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

1979, as amended and Act 136, P.A. 1969.
Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-0

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. M P 6 1 7 9 3 5 5 5 2 3 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Wildwood Conservation Corporation
246 Salem Street Road, Woburn MA 01801

A. State Manifest Document Number: MI 3124991

B. State Generator's ID: same

4. Generator's Phone (508) 371-1422

5. Transporter 1 Company Name: Freehold Cartage Inc.

6. US EPA ID Number: N J D 0 5 4 1 2 6 1 6 4

C. State Transporter's ID: 1692 WNJ

D. Transporter's Phone: 908-462-1001

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envotech Management Services, Inc.
49350 No. I-94 Service Drive
Belleville, MI 48111

10. US EPA ID Number: M I D 0 0 0 7 2 4 8 3 1

G. State Facility's ID

H. Facility's Phone: 313-697-7830

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
a. X RQ, Hazardous Waste, Liquid, n.o.s., (Chlordane), 9, NA3082, III (D020).	001	DM	00250	G	D020	H
b. X RQ, Hazardous Waste, Solid, n.o.s.(Chlordane), 9, NA3077, III (D020).	004	DM	01200	P	D020	H
c. Non Hazardous Liquid Not DOT, Not RCRA Regulated	004	DM	01200	P	029	L N
d. Non Hazardous Solid Not DOT, Not RCRA Regulated	004	DM	01200	P	029	L N

J. Additional Descriptions for Materials Listed Above
11a. Petroleum Jelly CODE 111993MG — 133837
11b. soil CODE 111993MF — 133838
11c. glue resin CODE 111993ME — 133839
11d. white powder CODE 111993MJ — 133840

K. Handling Codes for Wastes Listed Above
a/ /
b/ /
c/ /
d/ /

15. Special Handling Instructions and Additional Information
Emergency Contact: James Gracen 508 371-1422
11a,b: Use ERG#31.
11a. Drums are 85 gal.overpaks

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Carl Lagnidaza Agent for Beatrice	Carl Lagnidaza	1 12 01 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Alan Rand	Alan Rand	1 12 01 93

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space
10 all GW MW

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
James M Comes Jr	James M Comes	1 12 01 93

EPA Form 8700-22 (Rev. 9/88)

PR 5110

DNR

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE
ATT. DIS. REJ. PR.

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.
Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. MIP6179355523 — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Wildwood Conservation Corporation
246 Salem Street Road, Woburn MA 01801

A. State Manifest Document Number MI 3124992
B. State Generator's ID
C. State Transporter's ID 1692 Work T
D. Transporter's Phone 908-462-1001

4. Generator's Phone (508) 371-1422

5. Transporter 1 Company Name: Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Envotech Management Services, Inc.
49350 No. I-94 Service Drive
Belleville, MI 48111
10. US EPA ID Number: MID000724831
G. State Facility's ID
H. Facility's Phone 313-697-7830

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No	I. Waste N/H
a. X	RQ, Hazardous Waste, Solid, n.o.s., (Cadmium), 9, NA3077, III (D006).	001	DM	016100	P	D006	H
b. X	RQ Hazardous waste liquid n.o.s. (Cadmium) 9, NA3082 III (D006)	001	DM	000155	G	D006	H
c. X	RQ. WASTE COMBUSTIBLE LIQUID N.O.S. (Benzene) COMBUSTABLE LIQUID NA1993 III	002	DM	000110	G	D018	H
d.							

J. Additional Descriptions for Materials Listed Above
11a. Clay CODE 111993MK 133891
11b Clay Code 111993MK 133892
11c Oil Code 120393MT 133893

K. Handling Codes for Wastes Listed Above
a/
b/
c/
d/

15. Special Handling Instructions and Additional Information
11a. Use ERG#31.
Emergency Contact: James Greaca 508-371-1422 11c ERG# 27

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Carl Laquidara Agent for Beatrice
Signature
Date: Month Day Year 12 6 1993

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Alan Rand Alan Rand
Signature
Date: Month Day Year 12 6 1993

18. Transporter 2 Acknowledgement or Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space
MW 10 ad

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: James M Combs Jr
Signature
Date: Month Day Year 12 6 1993

ENVOTECH®

MANAGEMENT SERVICES, INCORPORATED

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # MI 3124991 have been properly disposed of in accordance with all local, state and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

FACILITY NAME: ENVOTECH MANAGEMENT SERVICES

ADDRESS: 49350 North Service Drive

Belleville, Michigan 48111

PHONE NUMBER: 313/697-2200

EPA I. D. NO.: MID 000724831

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

ENVOTECH MANAGEMENT SERVICES, INC.

Signed _____

(Authorized Signature)

ENVOTECH®

MANAGEMENT SERVICES, INCORPORATED

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # MI 312499Z have been properly disposed of in accordance with all local, state and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

FACILITY NAME: ENVOTECH MANAGEMENT SERVICES

ADDRESS: 49350 North Service Drive

Belleville, Michigan 48111

PHONE NUMBER: 313/697-2200

EPA I. D. NO.: MID 000724831

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

ENVOTECH MANAGEMENT SERVICES, INC.

Signed. _____

(Authorized Signature)

APPENDIX F

DEBRIS SOIL A

TRANSPORTATION AND DISPOSAL

Debris Soil A Shipping Summary

Load #	Weight
1	19.50
2	6.79
3	13.64
4	10.32
5	14.98
6	13.86
7	16.68
8	14.43
9	12.18
10	12.04
11	14.89
12	8.40
13	9.89
14	13.07
15	13.89
16	13.97
17	14.17
18	17.23
Total	**239.93**

BFI

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

RECEIVED NOV - 4 1993

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 005156

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.

b. Generating Location: BEATRICE FOODS, INC.

Address: 208 LA SALLE STREET, CHICAGO IL 60604

d. Address: 24? REAR SALEM STREET, WOBURN, MA 01801

Phone No.: (617) 749-5050

f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:

Owner's Name: ______

h. Owner's Phone No.: ______

i. BFI WASTE CODE MA - A85 / 94001 5 / 208977

Description of Waste: [illegible] CONTAMINATED WITH [illegible] FROM UNKNOWN SOURCE

k. Quantity ______ Units ______ Containers No. ______ TYPE ______

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC B or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M^3 - CUBIC METERS
Y^3 - CUBIC YARDS
O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kristen Silvia Agent for Beatrice — Generator Authorized Agent Name

[signature] — Signature

10-19-93 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: BFI TYNGSBORO DISTRICT

d. Phone No.: (508) 649-7591

e. Truck No.: ______

b. Address: 306 DUNSTABLE ROAD, TYNGSBORO MA 01879

f. Vehicle License No./State: ______

Acknowledgement of Receipt of Materials.

c. Driver Name/Title: JEFF HANSON (Print/Type)

g. [signature] — Driver Signature

10/19 — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: [illegible]

c. Phone No.: [illegible]

Physical Address: [illegible] ROAD, [illegible]

d. Mailing Address: PO BOX [illegible], [illegible]LAND, [illegible] 44014

Discrepancy Indication Space: ______

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

BFI — Name of Authorized Agent

[signature] — Signature

10-21-93 — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name: ______

b. Operator's* Phone No.: ______

c. Operator's* Address: ______

d. Special Handling Instructions and additional information: ______

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: ______ Print/Type ______ Operator's* Signature ______ Date

f. Name and Address of Responsible Agency: ______

g. ______ Friable; ______ Non-friable; ______ Both ______ % friable ______ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or

1/93

RETURN TO GENERATOR

260-720B-

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

BFI TYNGSBORO A00555 No. 005157

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
b. Generating Location: BEATRICE FOODS, INC.
c. Address: 208 LA SALLE STREET
CHICAGO, IL 60604
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
e. Phone No.: (617) 749-5050
f. Phone No.: (617) 749-5050
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: MA / 855 / 940915 / 208977
i. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R Corcoran Agent for Beatrice — James R Corcoran — 10-28-93
l. Generator Authorized Agent Name — Signature — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
b. Address: 395 DUNSTABLE ROAD
TYNGSBORO, MA 01879
c. Driver Name/Title: Daniel Donovan (Print/Type)
d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.
g. Daniel Donovan (Driver Signature) — 10/28/93 (Shipment Date)

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI MAHONING LANDFILL
b. Physical Address: 3100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436
c. Phone No.: (216) 678-6813
d. Mailing Address: PO BOX 5240
YOUNGSTOWN, OH 44514

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Bill Helm — Signature — 10-29-93
f. Name of Authorized Agent — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: (Print/Type) — Operator's* Signature — Date

f. Name and Address of Responsible Agency:

g. ____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

1/93

RETURN TO GENERATOR

260-720B-CON

427

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005158

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
b. Generating Location: BEATRICE FOODS, INC.
c. Address: 208 LA SALLE STREET
CHICAGO, IL 60604
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
e. Phone No.: (617) 749-5050
f. Phone No.: (617) 749-5050
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. WASTE CODE: MA / 855 / 940915 / 208977
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

l. Generator Authorized Agent Name: Williams Agent for Beatrice Co
Signature
11-19-93
Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
b. Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
c. Driver Name/Title: Daniel E Dancause
Print/Type
d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.
g. Driver Signature
11/19/93
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Name: BFI MAHONING LANDFILL
b. Physical Address: 6100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436
c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
11-22-93
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: Print/Type
Operator's* Signature
Date

f. Name and Address of Responsible Agency:

____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005159

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
b. Generating Location: BEATRICE FOODS, INC.
c. Address: 208 LA SALLE STREET, CHICAGO, IL 60604
d. Address: 248 REAR SALEM STREET, WOBURN, MA 01801
e. Phone No.: (617) 749-5050
f. Phone No.: (617) 749-5050
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: MA / 855 / 940915 / 208977
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE
k. Quantity: Units: Containers No.: 1 TYPE: T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER
UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Agent for Beatrice — Signature — Shipment Date: 12/3/92

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
d. Phone No.: (508) 649-7564
e. Truck No.: 12
b. Address: 385 DUNSTABLE ROAD, TYNGSBORO, MA 01879
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.
c. Driver Name/Title: Daniel F. Dawcause (Print/Type)
g. Driver Signature
Shipment Date: 12/3/92

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI MAHONING LANDFILL
c. Phone No.: (216) 536-8013
b. Physical Address: 8100 S. STATE LINE ROAD, LOWELLVILLE, OH 44436
d. Mailing Address: PO BOX 5240, POLAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date: 12 06 93

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
Special Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: (Print/Type) — Operator's* Signature — Date

Name and Address of Responsible Agency:

Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

TRANSPORTER RETAIN

260-720B-CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005160

* If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP
c. Address: 208 LA SALLE STREET, CHICAGO, IL 60604
e. Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET, WOBURN, MA 01801
f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

i. EPA/STATE WASTE CODE: MA / 855 / 940915 / 208977
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

l. Generator Authorized Agent Name: Carl LAGUIDARA, Agent for Beatrice
Signature: Carl Laguidara
Shipment Date: 12-7-93

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
c. Address: 385 DUNSTABLE ROAD, TYNGSBORO, MA 01879
d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: MA 173211

Acknowledgement of Receipt of Materials.

g. Driver Name/Title: Daniel E. Duncause (Print/Type)
Driver Signature: Daniel E. Duncause
Shipment Date: 12/7/93

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI MAHONING LANDFILL
c. Phone No.: (216) 536-8013
b. Physical Address: 8100 S. STATE LINE ROAD, LOWELLVILLE, OH 44436
d. Mailing Address: PO BOX 5240, POLAND, OH 44514

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent:
Signature: David Rotz
Receipt Date: 12-9-93

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Generator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: (Print/Type)
Operator's* Signature
Date

f. Name and Address of Responsible Agency:

___ Friable; ___ Non-friable; ___ Both ___ % friable ___ % nonfriable

* Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

TRANSPORTER RETAIN

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005161

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP
b. Generating Location: BEATRICE FOODS, INC.
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
(617) 749-5050
e. Phone No.:
f. Phone No.:
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. RFI WASTE CODE: MA / 666 / 940915 / 208077
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name — Signature — 12-10-93 Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

a. Name: BFI TYNGSBORO DISTRICT — TRANSPORTER I
d. Phone No.: (508) 649-7564
e. Truck No.: 12
b. Address: 588 DUNSTABLE ROAD
TYNGSBORO, MA 01879
f. Vehicle License No./State: MA 173211
Acknowledgement of Receipt of Materials.
c. Driver Name/Title: Daniel Donovan (Print/Type)
g. Driver Signature — 12/10/93 Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: [illegible]
c. Phone No.: [illegible]
b. Physical Address: [illegible]
d. Mailing Address: [illegible]

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Michael J Davis AGENT TO BEATRICE — Name of Authorized Agent — Signature — 12/10/93 Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: (Print/Type) — Operator's* Signature — Date

f. Name and Address of Responsible Agency:

g. ____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or bo

N-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005162

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

I GENERATOR (Generator completes all of Section I)

rator Name: BEATRICE COMPANY, CT CORP
dress: 208 LA SALLE STREET
CHICAGO, IL 60604
one No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

wner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

WASTE CODE: MA / 355 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Waiver Agent for Beatrice
Signature
12-14-93 Shipment Date

ection II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: BFI TYNGSBORO DISTRICT
ddress: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879

d. Phone No.: (508) 649-7504
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.

iver Name/Title: Daniel Donovan (Print/Type)
g. Driver Signature
12/14/93 Shipment Date

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

e Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 536-6013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
12-16-93 Receipt Date

ection IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name:
b. Operator's* Phone No.:
erator's* Address:
Special Handling Instructions and additional information:

RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, ed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: (Print/Type)
Operator's* Signature
Date

ne and Address
esponsible Agency:

____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

260-720B-CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005163

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
c. Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

i. WASTE CODE: MA / 855 / 940915 / 208977
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

l. Generator Authorized Agent Name: M. LAQUIDARA (Agent for Beatrice)
Signature
12-17-93 Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
b. Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: MA 173211

Acknowledgement of Receipt of Materials.

g. Driver Name/Title: Daniel Doucause (Print/Type)
Driver Signature
12/17/93 Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Name: BFI MAHONING LANDFILL
b. Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436
c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent
Signature
12/21/93 Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f; Operator* completes e)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:

Special Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

d. Operator's* Name & Title: (Print/Type)
Operator's* Signature
Date

e. Name and Address of Responsible Agency:

f. ____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

260-720B-CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005164

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
b. Generating Location: BEATRICE FOODS, INC.
c. Address: 208 LA SALLE STREET, CHICAGO, IL 60604
d. Address: 248 REAR SALEM STREET, WOBURN, MA 01801
e. Phone No.: (617) 749-5050
f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

i. BFI WASTE CODE: MA / 855 / 940915 / 208977
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
-	-	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

l. Generator Authorized Agent Name: Carl Laquidara (Agent for Beatrice) — Signature — 12-27-93 Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
d. Phone No.: (508) 649-7564
e. Truck No.: 12
b. Address: 385 DUNSTABLE ROAD, TYNGSBORO, MA 01879
f. Vehicle License No./State: MA 173211
Acknowledgement of Receipt of Materials.
c. Driver Name/Title: Daniel Dawson — Print/Type
g. Daniel Dawson — Driver Signature — 12-27- Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI MAHONING LANDFILL
c. Phone No.: (216) 536-6013
b. Physical Address: 8100 S. STATE LINE ROAD, LOWELLVILLE, OH 44436
d. Mailing Address: PO BOX 5240, POLAND, OH 44514

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent — Signature — 12/27/93 Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name: b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: Print/Type — Operator's* Signature — Date

f. Name and Address of Responsible Agency:

g. ____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005165

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
b. Generating Location: BEATRICE FOODS, INC.
c. Address: 208 LA SALLE STREET, CHICAGO, IL 60604
d. Address: 248 REAR SALEM STREET, WOBURN, MA 01801
e. Phone No.: (617) 749-5050
f. Phone No.: (617) 749-5050
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: MA / 855 / 940915 / 208977
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

l. Paul LaQuidara Agent for Beatrice — Generator Authorized Agent Name
Signature
12-29-93 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
d. Phone No.: (508) 649-7564
e. Truck No.: 11
b. Address: 385 DUNSTABLE ROAD, TYNGSBORO, MA 01879
f. Vehicle License No./State: MA173211
Acknowledgement of Receipt of Materials.
c. Driver Name/Title: Daniel E Donovan — Print/Type
g. Driver Signature
12/29/93 — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI MAHONING LANDFILL
c. Phone No.: (216) 536-8013
b. Physical Address: 8100 S. STATE LINE ROAD, LOWELLVILLE, OH 44436
d. Mailing Address: PO BOX 5240, POLAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent
Paul Kotzbauer — Signature
1-6-94 — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Generator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: Print/Type
Operator's* Signature
Date

f. Name and Address of Responsible Agency:

g. ____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

RETURN TO GENERATOR

260-720B-CONT

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 005166

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP

Address: 208 LA SALLE STREET
CHICAGO, IL 60604

Phone No.: (617) 749-5050

Owner of the generating facility differs from the generator, provide:

Owner's Name:

BFI WASTE CODE: MA / 855 / 940915 / 208977

Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

b. Generating Location: BEATRICE FOODS, INC.

d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801

f. Phone No.: (617) 749-5050

h. Owner's Phone No.:

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible] (Agent for Beatrice) Signature: [signature] Shipment Date: 1-10-94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: BFI TYNGSBORO DISTRICT

Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879

Driver Name/Title: [illegible] Print/Type

d. Phone No.: (508) 649-7564

e. Truck No.: 12

f. Vehicle License No./State: 173211 MA

Acknowledgement of Receipt of Materials.

g. [signature] Driver Signature

1-10-94 Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL

Physical Address: 6100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 536-6013

d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: Paul Rettig Signature: [signature] 3-28-94 Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name:

b. Operator's* Phone No.:

Operator's* Address:

Special Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: Print/Type

Operator's* Signature

Date

Name and Address of Responsible Agency:

Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

RETURN TO GENERATOR

260-720B-CONT

19 B-A01853

N-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005167

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
c. Address: 208 LA SALLE STREET, CHICAGO, IL 60604
e. Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET, WOBURN, MA 01801
f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

i. WASTE CODE: MA / 855 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE.

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible] (Agent for Beatrice) — Signature: [signature] — Shipment Date: 1-13-94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
c. Address: 305 DUNSTABLE ROAD, TYNGSBORO, MA 01879
d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA

Acknowledgement of Receipt of Materials.

Driver Name/Title: M. E. Donovan (Print/Type) — g. Driver Signature: [signature] — Shipment Date: 1/13/94

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI MAHONING LANDFILL
c. Physical Address: 8100 S. STATE LINE ROAD, LOWELLVILLE, OH 44436
c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240, POLAND, OH 44514

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: [illegible] — Signature: [signature] — Receipt Date: 3-21-94

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name: N/A
b. Operator's* Phone No.:
c. Operator's* Address:

Special Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: (Print/Type) — Operator's* Signature — Date

Name and Address of Responsible Agency:

____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

A02432

ARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005168

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

GENERATOR (Generator completes all of Section I)

rator Name: BEATRICE COMPANY, CT CORP
dress: 208 LA SALLE STREET
CHICAGO, IL 60604
e No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

wner of the generating facility differs from the generator, provide:
wner's Name:
h. Owner's Phone No.:

ASTE CODE: MA / 855 / 940915 / 208977
scription of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

ereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, in proper condition for transportation according to applicable regulations.

James R Greacen (Agent for Beatrice) — James R Greacen — 4-1-94
erator Authorized Agent Name — Signature — Shipment Date

ction II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

lame: BFI TYNGSBORO DISTRICT
dress: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
ver Name/Title: Daniel F Doncause (Print/Type)

d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 16722 MA
Acknowledgement of Receipt of Materials.
g. Daniel F Doncause (Driver Signature) — 4-1-94 (Shipment Date)

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

e Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

BFI — John D Avery — 4 4 94
lame of Authorized Agent — Signature — Receipt Date

ection IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name:
b. Operator's* Phone No.:
erator's* Address:
Special Handling Instructions and additional information:

ERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, ked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: (Print/Type) — Operator's* Signature — Date

me and Address
of Responsible Agency:

____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or bott

260-720B-CON

538

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005169

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

i. WASTE CODE: MA / 855 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

HUG BRABRAND (AGENT FOR BEATRICE) — Generator Authorized Agent Name
Signature
4/8/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879

d. Phone No.: (508) 649-7564
e. Truck No.: 457
f. Vehicle License No./State:
Acknowledgement of Receipt of Materials

Driver Name/Title: [illegible] — Print/Type
g. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
04-11-94 — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name:
b. Operator's* Phone No.:
Operator's* Address:
d. Special Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

f. Operator's* Name & Title: — Print/Type
Operator's* Signature
Date

g. Name and Address of Responsible Agency:

h. ____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005171

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
c. Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC
d. Address: 2 MILLAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: MA / 855 / 940615 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCBS FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name (Agent for Beatrice) — Signature — 4-27-94 Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
b. Address: 685 DUNSTABLE ROAD
TYNGSBORO, MA 01879
d. Phone No.: (508) 649-7564
e. Truck No.:
f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Driver Name/Title: Print/Type — Driver Signature — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI LANDFILL COMPANY
b. Physical Address: 6 MILE STATE LINE ROAD
LOWELL, MA 01854
c. Phone No.: (603) 880-3010
d. Mailing Address: PO BOX 5240
NASHUA, NH 03063

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name: — b. Operator's* Phone No.:

c. Operator's* Address:

Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: Print/Type — Operator's* Signature — Date

Name and Address of Responsible Agency:

_____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005172

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

If owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: MA / 855 / 940915 / 203977
Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible] Agent for Beatrice — Signature — 4-22-94 Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: BFI TYNGSBORO DISTRICT
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 16722 MA
Acknowledgement of Receipt of Materials.

Driver Name/Title: [illegible] — Print/Type
g. Driver Signature — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436
c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — 04-26-94 Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name:
b. Operator's* Phone No.:
Operator's* Address:
Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: Print/Type — Operator's* Signature — Date

Name and Address of Responsible Agency:

____ Friable; ____ Non-friable; ____ Both ____ % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

93

RETURN TO GENERATOR

260-720B-CON

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005173

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

GENERATOR (Generator completes all of Section I)

BEATRICE COMPANY, CT CORP
208 LA SALLE STREET
CHICAGO, IL 60604
(617) 749-5050

b. Generating Location: BEATRICE FOODS, INC
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

If generating facility differs from the generator, provide:
Name:
h. Owner's Phone No.:

STE CODE: MA / 855 / 940915 / 208977
ription of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE
D - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M^3 - CUBIC METERS
Y^3 - CUBIC YARDS
O - OTHER

eby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, nd is in proper condition for transportation according to applicable regulations.

ZY LAQUIDARA Agent for Beatrice — Signature — 12-1-93 Shipment Date
ator Authorized Agent Name

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

ame: BFI TYNGSBORO DISTRICT
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879

d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.

Driver Name/Title: Daniel E. Doncaster (Print/Type)
g. Driver Signature
12/1/93 Shipment Date

ection III DESTINATION (Generator completes a-d; destination site completes e-f)

ite Name: BFI MAHONING LANDFILL
ysical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 536-8073
d. Mailing Address: P.O. BOX 5240
POLAND, OH 44514

crepancy Indication Space:

hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

e of Authorized Agent — Signature — 12-2-93 Receipt Date

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

erator's* Name:
b. Operator's* Phone No.:
Operator's* Address:
cial Handling Instructions and additional information:

ERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, ed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

erator's* Name & Title: (Print/Type) — Operator's* Signature — Date

me and Address
sponsible Agency:

___ friable; ___ Non-friable; ___ Both ___ % friable ___ % nonfriable

erator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

TRANSPORTER RETAIN

260-720B-CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005174

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP.
b. Generating Location: BEATRICE FOODS, INC.
c. Address: 208 LA SALLE STREET / CHICAGO, IL 60604
d. Address: 248 REAR SALEM STREET / WOBURN, MA 01801
e. Phone No.: (617) 749--5050
f. Phone No.: (617) 749--5050
If address of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. WASTE CODE: MA / 855 / 940915 / 208977
j. Description of Waste: SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE

k. Quantity	Units	Containers No.	Containers TYPE
		1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

l. Authorized Agent Name: L Davidian agent for Beatrice
Signature
Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: BFI TYNGSBORO DISTRICT
b. Address: 385 DUNSTABLE ROAD / TYNGSBORO, MA 01879
d. Phone No.: (508) 649--7564
e. Truck No.: 17
f. Vehicle License No./State: MA 175211
Acknowledgement of Receipt of Materials.
g. Driver Name/Title: David E. Dawson
Print/Type
Driver Signature
Shipment Date: 1/22/93

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Name: BFI MAHONING LANDFILL
b. Physical Address: 8100 S. STATE LINE ROAD / LOWELLVILLE, OH 44436
c. Phone No.: (216) 536--8013
d. Mailing Address: PO BOX 5240 / POLAND, OH 44514

e. Occupancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Authorized Agent
Signature
Receipt Date: 1/23/93

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Generator's* Name:
b. Operator's* Phone No.:
c. Generator's* Address:
d. Handling Instructions and additional information:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Generator's* Name & Title:
Print/Type
Operator's* Signature
Date

f. Name and Address of Responsible Agency:

g. ___ Friable; ___ Non-friable; ___ Both ___ % friable ___ % nonfriable

*Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

260-720B-CONT

RETURN TO GENERATOR

APPENDIX G

DEBRIS PILE COMPLIANCE SAMPLING

Debris Pile (mg/Kg)
Compliance Sample Summary

Compound	Target Concentration	DP-1 10/05/94	DP-3 10/05/94	DP-5 10/05/94	DP-5 11/15/94	DP-6 10/05/94	DP-7 10/05/94	DP-7 11/15/94
Lead	640	37.5	45.1	84.3	--	--	--	--
Chlordane	6.14	0.181	0.053	34.67	3.899	0.004	0.041	0.005
4, 4 - DDT	23.5	0.008	0.012	0.874	0.208	0.001	0.005	0.005
cPAHs	0.69	0.280	0.252	0.252	--	0.266	0.986	0.294
PCBs	1.04	0.637	0.075	329.2	0.318	0.291	1.788	0.369
STATUS		pass	pass	fail	pass	pass	fail	pass

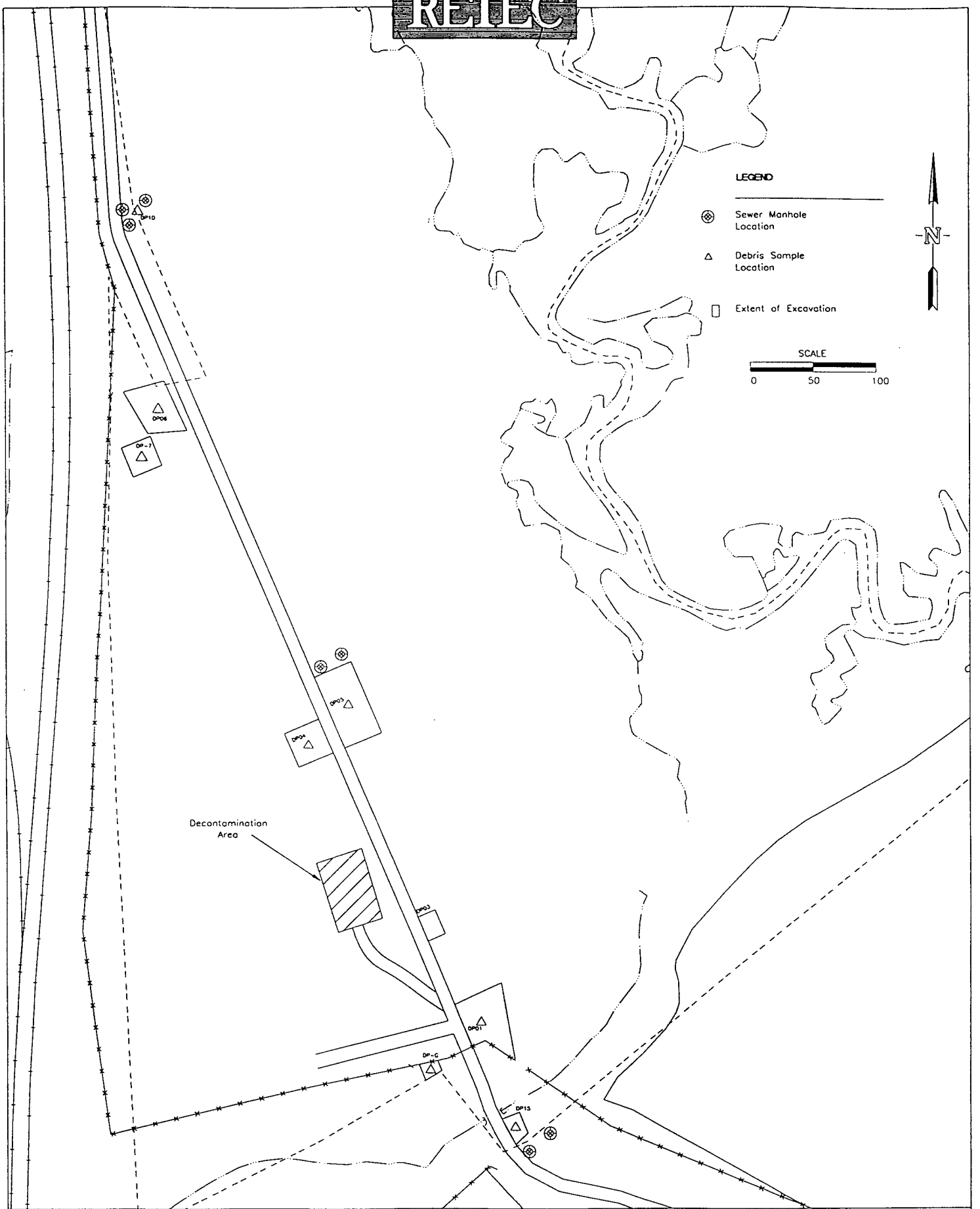
Compound	Target Concentration	DP-10 10/05/94	DP-15 10/05/94	DP-15 11/15/94	DP-15 12/15/94	DP-G 10/05/94	DP-G 11/15/94
Lead	640	--	174	--	--	130	--
Chlordane	6.14	0.139	0.800	3.111	--	0.008	--
4, 4 - DDT	23.5	0.063	0.305	0.854	--	0.018	--
cPAHs	0.69	0.150	0.142	--	--	2.758	0.037
PCBs	1.04	0.960	6.540	19.141	0.227	0.415	--
STATUS		pass	fail	fail	pass	fail	pass

Notes:

All concentrations mg/kg

-- No analysis performed

RELEC



DEBRIS PILE EXCAVATIONS

FIGURE

0947s004

Debris Pile
cPAH (ug/Kg)
Compliance Sample Summary

	DP-1 10/05/94 ug/Kg	DP-3 10/05/94 ug/Kg	DP-3 10/05/94 ug/Kg	DP-6 10/05/94 ug/Kg	DP-7 10/05/94 ug/Kg	DP-7 11/13/94 ug/Kg	DP-10 10/05/94 ug/Kg	DP-Q 10/05/94 ug/Kg	DP-Q 11/13/94 ug/Kg	DP-15 10/05/94 ug/Kg
Phenol			< 243 U							< 221 U
bis(2-Chloroethyl)ether			< 243 U							< 221 U
2-Chlorophenol			< 243 U							< 221 U
1,3-Dichlorobenzene			< 243 U							< 221 U
1,4-Dichlorobenzene			< 243 U							< 221 U
1,2-Dichlorobenzene			< 243 U							< 221 U
2-Methylphenol			< 243 U							< 221 U
2,2'-oxybis(1-Chloropropane)			< 243 U							< 221 U
4-Methylphenol			< 243 U							< 221 U
N-Nitroso-di-n-propylamine			< 243 U							< 221 U
Hexachloroethane			< 243 U							< 221 U
Nitrobenzene			< 243 U							< 221 U
Isophorone			< 243 U							< 221 U
2-Nitrophenol			< 243 U							< 221 U
2,4-Dimethylphenol			< 243 U							< 221 U
bis(2-Chloroethoxy)methane			< 243 U							< 221 U
2,4-Dichlorophenol			< 243 U							< 221 U
1,2,4-Trichlorobenzene			< 243 U							< 221 U
Naphthalene			< 243 U							< 221 U
4-Chloroaniline			< 243 UJ							< 221 UJ
Hexachlorobutadiene			< 243 U							< 221 U
4-Chloro-3-methylphenol			< 243 U							< 221 U
2-Methylnaphthalene			< 243 U							< 221 U
Hexachlorocyclopentadiene			< 243 U							< 221 U
2,4,6-Trichlorophenol			< 243 U							< 221 U
2,4,5-Trichlorophenol			< 606 U							< 552 U
2-Chloronaphthalene			< 243 U							< 221 U
2-Nitroaniline			< 606 U							< 552 U
Dimethylphthalate			< 243 U							< 221 U
Acenaphthylene			< 243 U							< 221 U
2,6-Dinitrotoluene			< 243 U							< 221 U
3-Nitroaniline			< 606 UJ							< 552 UJ
Acenaphthene			< 243 U							< 221 U
2,4-Dinitrophenol			< 606 U							< 552 U
4-Nitrophenol			< 606 U							< 552 U
Dibenzofuran			< 243 U							< 221 U
2,4-Dinitrotoluene			< 243 U							< 221 U
Diethylphthalate			< 243 U							< 221 U
4-chlorophenyl-phenylether			< 243 U							< 221 U
Fluorene			< 243 U							< 221 U
4-Nitroaniline			< 606 U							< 552 U
4,6-Dinitro-2-methylphenol			< 606 U							< 552 U
N-Nitrosodiphenylamine (1)			< 243 U							< 221 U
4-Bromophenyl-phenylether			< 243 U							< 221 U
Hexachlorobenzene			< 243 U							< 221 U
Pentachlorophenol			< 606 U							< 552 U
Phenanthrene			< 243 U							38 J
Anthracene			< 243 U							< 221 U
Carbazole			< 243 U							< 221 U
Di-n-butylphthalate			< 243 U							< 221 U
Fluoranthene			< 243 U							56 J
Pyrene			< 243 U							53 J
Butylbenzylphthalate			< 243 U							< 221 U
3,3'-Dichlorobenzidine			< 243 U							< 221 U
Benzo(a)anthracene	< 40 U	< 36 U	< 36 U	< 38 U	130	< 42 U	32 J	233	< 38 U	35 J
Chrysene	< 40 U	< 36 U	< 36 U	< 38 U	176	< 42 U	38	883	57 J	39 J
bis(2-Ethylhexyl)phthalate			< 243 U							< 221 U
Di-n-octylphthalate			< 243 U							< 221 U
Benzo(b)fluoranthene	< 40 U	< 36 U	< 36 U	< 38 U	282	< 42 U	49	728	< 38 U	38
Benzo(k)fluoranthene	< 40 U	< 36 U	< 36 U	< 38 U	80	< 42 U	< 33 U	247	< 38 U	< 33 U
Benzo(a)pyrene	< 40 U	< 36 U	< 36 U	< 38 U	169	< 42 U	31 J	405	< 38 U	30 J
Indeno(1,2,3-cd)pyrene	< 40 U	< 36 U	< 36 U	< 38 U	110 J	< 42 U	< 33 U	182 J	< 38 U	< 33 U
Dibenz(a,h)anthracene	< 40 U	< 36 U	< 36 U	< 38 U	50 J	< 42 U	< 33 U	56 J	< 38 U	< 33 U
Benzo(g,h,i)perylene			< 243 U							< 221 U

Notes:

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

All concentrations ug/kg.

Debris Pile
VOCs (ug/Kg)
Compliance Sample Summary

	Soil Cleanup	DP-1 10/05/94	DP-3 10/05/94	DP-5 10/05/94	DP-6 10/05/94	DP-7 10/05/94	DP-7 11/15/94	DP-10 10/05/94	DP-15 10/05/94	DP-G 10/05/94
Chloromethane				< 1.2 U					< 1.1 U	
Bromomethane				< 1.2 U					< 1.1 U	
Vinyl Chloride				< 1.2 U					< 1.1 U	
Chloroethane				< 1.2 U					< 1.1 U	
Methylene Chloride				< 28 UJ		11,610 JD			< 11 UJ	
Acetone				< 10 UJ		4,341 JD			< 3.6 UJ	
Carbon Disulfide				< 1.2 U					< 1.1 U	
1,1-Dichloroethene				< 1.2 U					< 1.1 U	
1,1-Dichloroethane				< 1.2 U					< 1.1 U	
1,2-Dichloroethene (cis)				< 1.2 U					< 1.1 U	
1,2-Dichloroethene (trans)	83	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		< 1.3 U	< 1.0 U	< 1.1 U	< 1.0 U
Chloroform	63	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		3.5	< 1.0 U	< 1.1 U	< 1.0 U
1,2-Dichloroethane				< 1.2 U					< 1.1 U	
2-Butanone				6.2					< 1.1 U	
1,1,1-Trichloroethane	613	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		40	< 1.0 U	< 1.1 U	< 1.0 U
Carbon Tetrachloride				< 1.2 U					< 1.1 U	
Bromodichloromethane				< 1.2 U					< 1.1 U	
1,2-Dichloropropane				< 1.2 U					< 1.1 U	
cis-1,3-Dichloropropene				< 1.2 U					< 1.1 U	
Trichloroethene	13	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U	66,800 D	45,700 JD	< 1.0 U	3.2	< 1.0 U
Dibromochloromethane				< 1.2 U					< 1.1 U	
1,1,2-Trichloroethane				< 1.2 U					< 1.1 U	
Benzene				< 1.2 U					< 1.1 U	
trans-1,3-Dichloropropene				< 1.2 U					< 1.1 U	
Bromoform				< 1.2 U					< 1.1 U	
4-Methyl-2-Pentanone				< 1.2 U					< 1.1 U	
2-Hexanone				< 1.2 U					< 1.1 U	
Tetrachloroethene	37	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		87	< 1.0 U	< 1.1 U	< 1.0 U
1,1,2,2-Tetrachloroethane				< 1.2 U					< 1.1 U	
Toluene				0.8 J					1.2	
Chlorobenzene				< 1.2 U					< 1.1 U	
Ethylbenzene				< 1.2 U					< 1.1 U	
Styrene				< 1.2 U					< 1.1 U	
Xylene (total)				< 1.2 U					< 1.1 U	

Notes:

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

D - Compounds identified in an analysis at a secondary dilution factor.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

J - The associated numerical value is an estimated value.

All concentrations ug/kg.

Debris Pile
Pesticides And PCBs (ug/Kg)
Compliance Sample Summary

	DP-1 10/05/94	DP-3 10/05/94	DP-5 10/05/94	DP-5 11/15/94	DP-6 10/05/94	DP-7 10/05/94	DP-7 11/15/94	DP-10 10/05/94	DP-G 10/05/94	DP-15 10/05/94	DP-15 11/15/94	DP-15 12/15/94
alpha-BHC										1.6		
beta-BHC										1.6		
delta-BHC										1.6		
gamma-BHC (Lindane)										1.6		
Heptachlor										1.6		
Heptachlor epoxide										< 1.6 U		
Endosulfan I										< 1.6 U		
Dieldrin										< 3.2 U		
4,4'-DDE										< 162.6 U		
Endrin										< 3.2 U		
Endosulfan II										< 3.2 U		
4,4'-DDD										221 PJ		
Endosulfan sulfate										< 3.2 U		
4,4'-DDT	8.2 JP	11.5 PJ	873.7 PJ	208.0 PD	1.1 JP	< 4.9 U	< 4.6 U	63.3 DP	17.5 P	305 PJ	854 DP	
Methoxychlor										< 15.8 U		
Endrin ketone										< 3.2 U		
Endrin aldehyde										< 3.2 U		
alpha-Chlordane	85.4 D	27.8 DP	17,881 DP	1,817 D	1.7 JP	< 2.5 U	< 2.3 U	70.7 D	2.4 P	395 DJ	1,584 D	
gamma-Chlordane	95.1 DP	25.6 DP	16,789 DP	2,082 DP	1.9 JP	41.0 DJ	5.1 P	68.2 DP	5.2 P	405 PJ	1,527 DP	
Toxaphene										< 157.8 U		
Aroclor-1016	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1221	< 76.2 U	< 69.3 U	< 82,305 DU	< 79.4 U	< 72.8 U	< 98.8 U	< 92.3 U	< 244.2 DU	< 69.3 U	< 63.1 U	< 74.0 U	< 83.3 U
Aroclor-1232	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1242	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1248	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1254	476 P	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	1,788 D	< 46.1 U	775.8 D	415 P	4,878 DJ	14,840 DP	144 J
Aroclor-1260	161 P	75.1 P	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	183.8 D	< 34.6 U	1,662 DJ	4,301 PJ	82.9 J

Notes:

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

P - Pesticide / Aroclor target analyte has greater than 25 % difference detected concentrations between the two GC columns.

D - Compounds identified in the analysis at a secondary dilution factor.

All concentrations ug/kg.

Debris Pile
Metals (mg/Kg)
Compliance Sample Summary

	DP-1 10/05/94 mg/kg C	DP-3 10/05/94 mg/kg C	DP-5 10/05/94 mg/kg C	DP-15 10/05/94 mg/kg C	DP-G 10/05/94 mg/kg C
Aluminum			4,016	6,875	
Antimony			8.0	7.2	
Arsenic			5.2	9.4	
Barium			41.8	155.5	
Beryllium			0.2 U	0.3 B	
Cadmium			2.1	4.9	
Calcium			1,046	1,356	
Chromium			30.9 J	345.0 J	
Cobalt			2.5 B	5.5 B	
Copper			105.7 J	35.7 J	
Iron			15,242 J	18,642 J	
Lead	37.5 J	45.1 J	84.3	173.5 J	130.0 J
Magnesium			891.1	1503	
Manganese			91.0	159.9	
Mercury			0.1 U	1.9	
Nickel			8.8	14.9	
Potassium			250.3 B	393 B	
Selenium			0.3 U	0.3 U	
Silver			0.7 U	0.6	
Sodium			35.6 B	51 B	
Thallium			0.2 U	0.1 U	
Vanadium			8.2	19.4	
Zinc			103.4	208.8	
Cyanide			0.3	0.6	

Notes:

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

B - The analyte was found in the associated blank as well as the sample.

All concentrations mg/kg.

APPENDIX H

SLUDGE INVESTIGATION

This appendix was originally presented in the Predesign Investigation Report (RETEC, 1993) Section 4.1.

4.0 SLUDGE AND DEBRIS INVESTIGATION

The Predesign Investigation included the determination of physical and chemical parameters for remedial design input data for sludge and debris. The purpose of the investigation was to identify all sludge and debris locations, determine the volume of each media, and their appropriate disposal options.

4.1 SLUDGE INVESTIGATION

The Predesign Work Plan included sampling and characterization of the sludge identified during the Remedial Investigation to evaluate potential treatment and disposal options. Additional data was required to define the areal extent, as well as chemical and physical characterization of the sludge. Sludges not identified during the RI were observed during the debris investigation and construction of the site infrastructure. As a result of these discoveries, the scope of the Predesign Investigation sludge characterization tasks was expanded to ensure that all sludges on the Wildwood Property were identified. Sludge, present in areas used during site activities, were removed and stockpiled on site. Others were left in place. Compliance sampling of the soils underlying sludge has been postponed until all sludge can be removed from the ground surface and consolidated.

4.1.1 Delineation of Sludge Locations

In October 1992, each of the ten sludge locations identified during the RI (identified as SL-1 through SL-11) were located, cleared of leaves and brush, and an estimate of their volume was made. Locations of SL-10 and SL-11 were duplicate samples collected at the same site. Figure 2-4 presents the locations of the sludge identified during the RI. The sludge at locations SL-1, 2, 4, 5, and 8 was consolidated into a 55-gallon drum. The extent of the sludge at locations SL-3, 6, 7, and 10 was greater than suggested by the RI. Due to the larger than expected volume of

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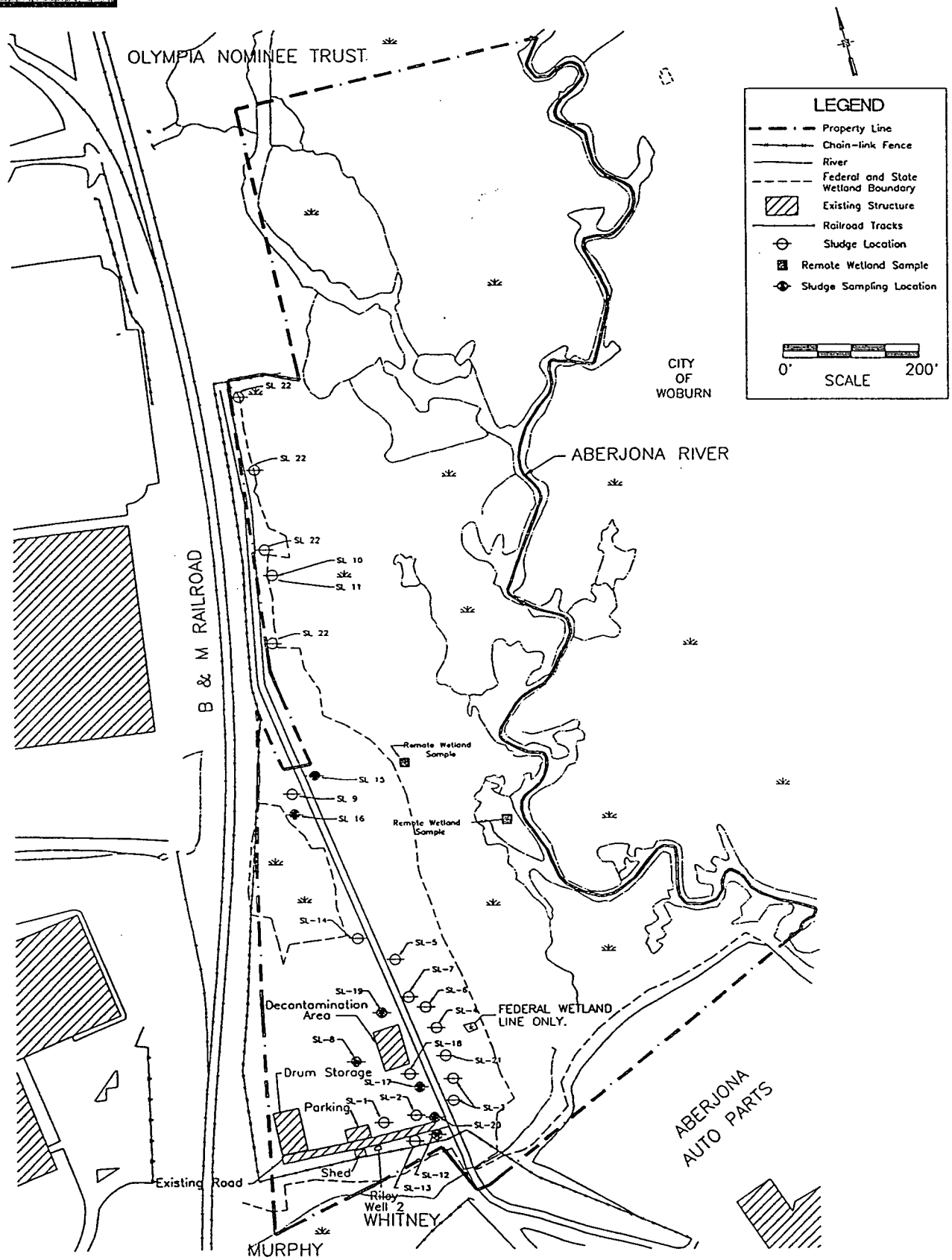

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NOTE: A Remote Wetland Sample Was Collected Under Location SL-17

REVISED SLUDGE LOCATION MAP

FIGURE 4-1

these materials, excavation of these sludges was postponed until a complete and thorough delineation of all sludges on site could be conducted.

Additional sludge locations were encountered during construction of site facilities. A moist yellow powder was discovered at the decontamination pad exit ramp (SL-17 and SL-18), and across the access road from this location (SL-21). These locations are presented in Figure 4-1. The powder was discovered in an area approximately three feet in diameter by six inchesdeep at SL-17. Location SL-18 consisted of one cubic yard of yellow powder and associated soil, and SL-21 consisted of approximately 0.1 cubic yard of yellow powder and a blue solid. The bulk of the yellow powder was shoveled into a 55-gallon drum. The remaining powder and affected soil were excavated, moved to a lined stockpile, and covered with plastic. The solid blue material was placed into a five-gallon bucket and stored in the drum storage facility.

During the debris investigation, a black, viscous sludge was observed west of the access road. The sludge was again encountered during construction of the entrance ramp to the decontamination pad. The sludge was first excavated onto plastic sheeting with a backhoe and then moved into roll-off boxes using a front-end loader. A total of three, four-cubic yard boxes were filled with the tar and affected soil. Location of the black viscous sludge (SL-19) is presented in Figure 4-1.

A green material with the texture of finely-shredded plastic was discovered during the excavation of a trench for the wastewater treatment system drainage line (SL-20). The bulk of the green resin was shoveled into a 55-gallon drum; the remainder of the green material and the associated soil was excavated, moved to a lined stockpile, and covered with plastic.

4.1.1.1 Supplemental Sludge Investigation

A supplemental sludge investigation was conducted between November 24, 1992 and December 9, 1992 to further identify and delineate sludge areas on the Wildwood Property. The objective of the investigation was to fully delineate sludges identified during the RI and during predesign activities, and to identify previously undiscovered sludges. The investigation took place along the access road running north to south through the property and along a smaller road accessing the Riley Well in the southern portion of the property. Exploration was conducted with an excavator capable of reaching 25 feet while remaining on the access roads.

Shallow test trenches were excavated perpendicular to the road every 25 feet on each side of the two access roads. In locations where obstructions such as debris piles, large trees, or sewer manholes were present, the trench was moved or shortened to avoid the obstruction. In the northern portion of the site where the Aberjona River wetland extends westward to within 25 feet of the access road, the test trenches were excavated to the wetland boundary. Two test pits, three to six feet in length, were excavated in the intervals between each of the trenches. Both test trenches and pits were excavated to a depth of one to three feet. Excavation in the vicinity of the Massachusetts Water Resources Authority (MWRA) and City of Woburn sewer lines was conducted with caution to ensure the integrity of the lines remained intact.

In those locations where sludge had been identified during the RI and during predesign activities, test pits were excavated in the vicinity of the exposed sludge until the perimeter of the sludge could be identified. The soils within each test pit was screened with a PID or FID. The lateral extent of each sludge was surveyed and flagged in the field. Representative samples of each new sludge material encountered was collected and shipped to New England Testing Laboratory of North Providence, Rhode Island (NETL) for chemical characterization. Figure 4-1 shows the locations of the sludge samples collected for chemical characterization. Figure 4-2 presents the locations of the test trenches and test pits excavated during the supplemental sludge investigation.

4.1.2 Sludge Sampling and Analysis

Each of the ten sludge locations identified in the RI were analyzed during the RI for VOCs, PAHs, pesticides, PCBs, and metals. The results of these analyses are summarized in Table 2-3. Samples of each new type of sludge identified during the Predesign Investigation was collected as it was discovered and analyzed by an industrial chemist (NETL) to characterize the sludges, identify their likely origin, and provide information for handling the sludges. Black sludges similar in nature to the sludge identified during the RI were analyzed by gas chromatograph and compared to chromatograms of marsh deposits collected on the Wildwood Property and to chromatograms of common petroleum products. Other sludge samples were weighed before and after they were heated to 105 degrees Centigrade to remove the water content, then volatilized at approximately 600 degrees Centigrade in order to determine the amount of organic matter in the sample. The organic content of the samples were analyzed by Fourier Transform Infrared Spectroscopy to determine their chemical make-up. The inorganic portions of the samples were analyzed by scanning electron microscopy/energy dispersive X-ray spectroscopy. One sludge sample was analyzed for priority pollutant semi-volatile organics, pesticides, and PCBs. The

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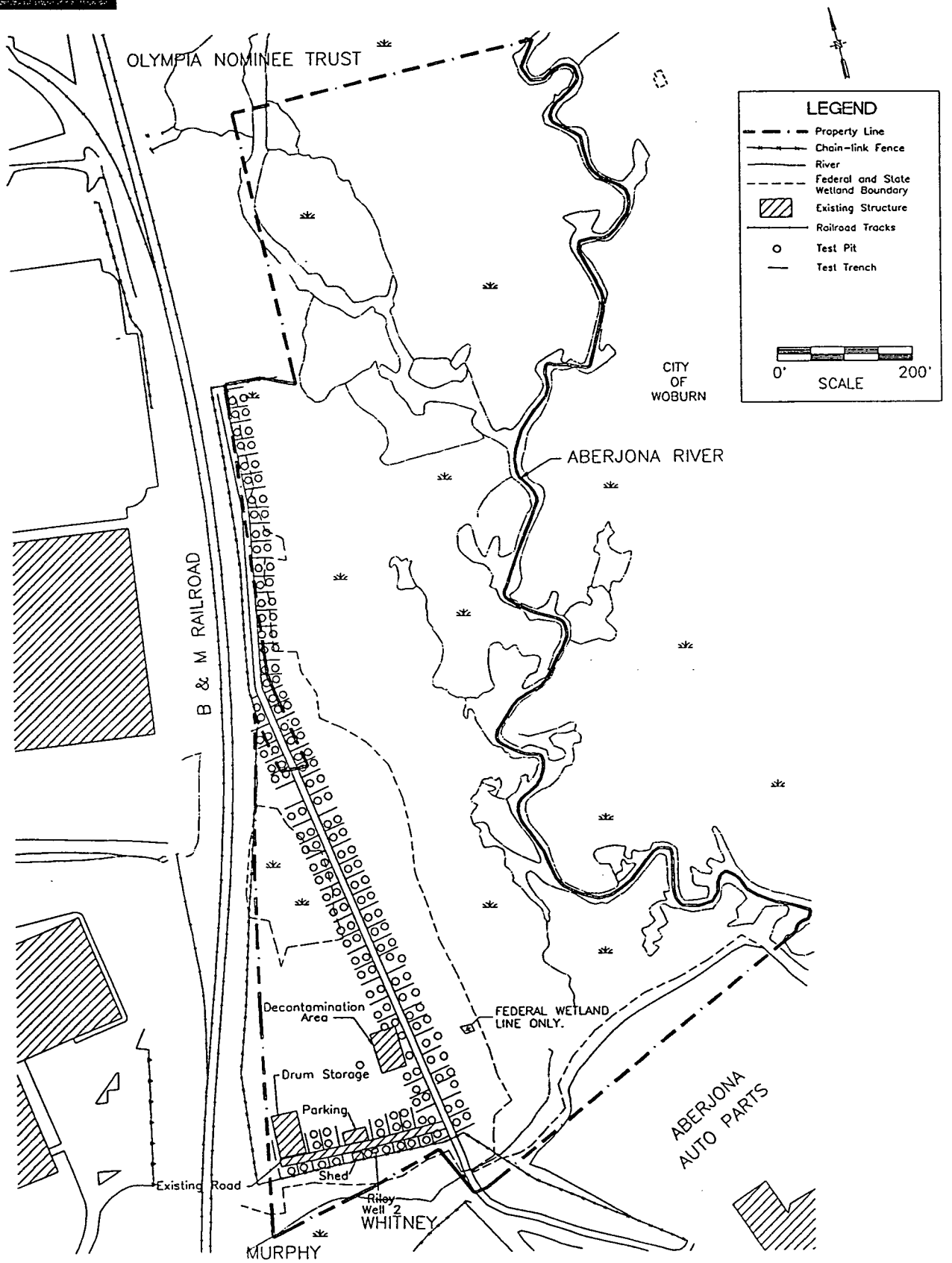

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SUPPLEMENTAL SLUDGE INVESTIGATION LOCATIONS

FIGURE 4-2

TABLE 4-1
Sludge Characterization Summary
Wildwood Property, Wells G & H Superfund Site

Physical Description	I.D. Number	Volume (Cubic Yards)	Percent Organic	Primary Constituents	Characterization
Black Viscous Sludge	SL-1	0.2		Chlordane PAHs	Petroleum Residue
Black Viscous Sludge	SL-2	6		Bis (2-Ethylhexyl) Phthalate 4,4-DDT	Petroleum Residue
Black Viscous Sludge	SL-10/11	8		PAHs	Petroleum Residue
Black Viscous Sludge	SL-13	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-14	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-19	9		Not analyzed	Petroleum Residue
Black Crusty Sludge	SL-3	43		Bis (2-Ethylhexyl) Phthalate PAHs	Petroleum Residue
Black Crusty Sludge	SL-4	0.1		Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Crusty Sludge	SL-5	19.0		No VOC or mixed constituents of concern above cleanup criteria	Petroleum Residue
Black Crusty Sludge	SL-6/7	37		Pyrene Benzo(a)pyrene Toluene	Petroleum Residue
Black Crusty Sludge	SL-8	2.4		4,4-DDT Bis (2-Ethylhexyl) Phthalate Pentachlorophenol Tetrachloroethene	Petroleum Residue
Black Crusty Sludge	SL-9	3		Chlordane Benzoil Acid Xylenes Bis (2-Ethylhexyl) Phthalate Phenol Ethylbenzene	Petroleum Residue
Black Crusty Sludge	SL-15	12.0	25%	Asphaltic/Polymeric Resin	Petroleum Residue
Grey-White Powder	SL-22	Not estimated		Barium Sulfide	Barium Sulfide
Yellow Powder	SL-17	4.0	<1%	Lead, Chromium	Paint Pigment
Yellow Powder	SL-18	1.0		Not analyzed	Paint Pigment
Yellow Powder	SL-21	0.1		Not analyzed	Paint Pigment
Green Sludge	SL-20	3.0	97%	Alkyd Polymers	Paint Residue
Turquoise Brittle Solid	SL-15	1.0	24%	Aromatic Esters	Dye or Pigment
Yellowish-White Gel	SL-8	0.5	100%	Petroleum Hydrocarbons	Petroleum Grease
Blue Solid	SL-21	0.1		Not analyzed	Unknown
Brown Hard Plastic	SL-16	4	34%	Polyvinyl Polymer	Pigmented Plastic
Light Brown Cellulose	SL-12	17	100%	Cellulose	Waste Filter Media

results of the analyses are summarized below and in Table 4-1. Laboratory reports are included in Appendix B.

Black Viscous Sludge

A black, viscous, oily substance was found in several locations at the Wildwood Property during the RI and the Predesign Investigation. The sludge locations identified in the RI were revisited during the Predesign Investigation. This investigation identified locations SL-1, SL-2, SL-10/11, SL-13, SL-14, and SL-19 as being black, viscous sludge. In total, approximately 45 cubic yards of the sludge and associated soil was observed. Laboratory analyses of sludges SL-1, SL-2, and SL-10/11 conducted during the RI are summarized in Table 2-3.

Chemical characterization of SL-19 during the Predesign Investigation identified this material as a medium-to-high boiling, weathered petroleum material. At the request of EPA, 25 of these compounds were identified using library matches and the internal standards used during the initial analysis. Peaks identified on the gas chromatogram were generally normal and branched alkanes and alkyl substituted napthalenes. Compounds with the highest concentrations were dimethyl naphthalene, hexadecane, and pentadecane.

This sample was compared to chromatograms of marsh deposits collected on the Wildwood Property and common petroleum products. Sharp peaks of the chromatogram of SL-19 showed this material to exhibit the characteristics of a petroleum residue. Chromatograms of the marsh deposits showed no peaks that could be identified, rather they showed a broad, poorly defined range of organics. These chromatograms are presented in Appendix B.

Black Crusty Solid

A hard black material was originally observed during the Remedial Investigation in the following locations: SL-3, SL-4, SL-5, SL-6, SL-7, SL-8, and SL-9. Locations SL-6 and SL-7 were found to be portions of a single, continuous layer of sludge. The material was characterized during the Predesign Investigation as black, tarry, pliant to brittle, and similar in nature to the black viscous sludge but with a solid texture. In total, approximately 130 cubic yards of this material and associated soil was observed. Chemical analyses conducted during the Remedial Investigation showed that the sludge contained varying concentrations of organics, including volatiles, polyaromatic hydrocarbons, and pesticides, in similar concentrations as the black, viscous sludges observed during the RI.

A sample of the black, crusty sludge was collected at SL-15 during predesign activities and sent to NETL for characterization. The material lost approximately 25% of its weight at 500 degrees Centigrade, indicating a mix of 75% inorganics and 25% organics and water. The inorganic portion was comprised of minerals, including quartz and magnesium-based minerals with no heavy metals present in bulk quantities, and appear to be minerals consistent with the surficial geology of the area. The organic portion of the sample showed a tar-like distribution of organic compounds. Based on the analytical results, this material is most likely a residue from petroleum-based compounds.

Grey-White Powder

A grey-white powder intermixed with soil was observed at the northern boundary of the property east of the access road, extending south approximately 350 feet. This material extended as much as 30 feet east from the road in some areas. The grey-white material was observed to be a damp, fine powder with a water content of approximately 30%. Chemical characterization indicates the primary constituents were barium and sulfide.

Yellow Powder

Approximately five cubic yards of moist yellow powder was found at locations SL-17, SL-18, and SL-21 in the southern portion of the property. Greater than 99% of a sample from SL-17 was non-volatile at 660 degrees Centigrade, indicating the material was primarily inorganic. Lead and chromium were identified as the primary inorganic constituents. The organic fraction consisted of trace levels of numerous semi-volatile organics, including pyrene (4.0 ppm), phenanthrene (3.9 ppm), and fluoranthene (2.5 ppm). The pesticide 4,4'-DDT was also detected at 0.1 ppm. The results of these analyses indicate this material is paint pigment, lead chromate, which was used extensively as yellow and orange pigment in traffic paints.

Green Sludge

A small amount of green sludge was found intermixed with soil during installation of a drainage line for the on-site water treatment system (SL-20). Approximately three cubic yards of the sludge mixed with soil was observed. The material had the texture of a finely shredded plastic. A sample of this material was ashed to evaluate the amount of organic content. The result indicated that the material was 97% volatile at 600 degrees Centigrade. The bulk of the organic in the sample showed the characteristic profile of an alkyd resin, indicating this material is likely a paint residue.

Turquoise Material

A brittle turquoise material was found east of the access road at sludge location SL-15. The turquoise material covered an area approximately 14 feet x 23 feet and appeared to be about one-inch thick at the center and tapered toward the edges. The turquoise material directly overlies a black, hard asphalt-like material.

A sample of this material was collected and chemically characterized. The material lost approximately 24% of its weight at 500 degrees Centigrade, indicating a mix of 76% inorganics and 24% organics/water. The inorganic portion was comprised of magnesium-based minerals and quartz, with no heavy metals present in bulk quantities (soil). The organic fraction of the material was an aromatic ester, and is possibly a blue dye or pigment.

Yellowish-White Gel

A yellowish-white gel was found at the SL-8 location. The material was found in the same location as the black asphaltic material observed during the RI at SL-8. The gel was a pliable, viscous, translucent substance covering an area approximately eight feet by eight feet and was two inches thick. Total volume was estimated to be less than 0.5 cubic yards. When a sample of the gel was subjected to heat, the entire sample volatilized at 500 degrees Centigrade. Evaluation of the organics suggests they consist of heavy molecular weight hydrocarbon typical of petroleum-derived grease.

Blue-Grey Solid

Several small pieces of solid blue material were present at location SL-21, near the exit ramp of the decontamination facility. This material was a hard, medium blue-grey substance. The volume of blue material was estimated to be approximately 0.3 cubic feet. The material was excavated and placed in the bottom of a five-gallon bucket. The material was not sampled.

Brown Material

A hard, brown plastic-like material, covering an area approximately ten feet by ten feet, was found west of the access road in the central portion of the Wildwood Property (SL-16). Characterization of the material indicated that at 500 degrees Centigrade, approximately 34% of a sample of the material volatilized, indicating a 66%/34% inorganic/organic makeup. The

inorganic fraction was composed primarily of minerals containing iron oxides, silica and alumina (sand). The organic portion of the sample was a pigmented plastic.

Light Brown Cellulose

A light brown fibrous material was observed immediately inside the entrance gate to the Wildwood Property on the west side of the access road. The sludge has been identified at SL-12. Results of chemical characterization indicated that the fiber was a cellulosic material (e.g., cotton or paper) similar to that used in filter media. Some acrylic binder or resin was also present in the sample.

4.1.3 Sludge Consolidation

A portion of the sludges encountered on the Wildwood Property have been removed from the ground surface and consolidated. The black viscous sludge at SL-13, SL-14, and SL-19 were excavated during construction of site facilities and contained in three, four-cubic yard bins. Approximately five cubic yards of yellow powder observed at SL-17, SL-18, and SL-21 was consolidated into a roll-off container. Smaller amounts of this material were left in debris piles for later consolidation efforts. The green material (SL-20) was completely excavated and stockpiled. These stockpiled sludges have been sampled for disposal characterization and will be removed from the site once the results of the disposal characterization have been received and disposal options for the materials have been reviewed.

Disposal options for the remaining sludges are also under review. Additional delineation work is planned for the grey-white powder (SL-22), which was not fully delineated during site investigation work conducted to date.

APPENDIX I

SLUDGE CHARACTERIZATION

Sludge Sampling

Sludge characterization sampling at the Wildwood Property was performed on Wednesday, May 12, 1993. The sludge was sampled to determine an appropriate disposal facility. Figure 1 presents the locations of sludge found at the site. Table 1 presents a characterization of the sludge found on site including, a description of the sludge, the percent organics found in the sludge, and the primary constituents making up the sludge. The sludge was classified in three groups as follows:

- Group F - Black Viscous Sludge; including sludges from locations SL-1, SL-2, SL-10/11, SL-13, SL-14, SL-12, and a drum of sludge consolidated during the predesign investigation in November 1992.

- Group G - Black Crusty Sludge; including sludges from locations SL-3, SL-4, SL-5, SL-6, SL-7, and SL-15.

- Group H - All Remaining Sludges; including SL-15, SL-8, SL-21, SL-16, SL-12 and SL-9.

Portions of the following sludge locations were bulked into a single 55 gallon drum during predesign activities in the summer of 1992; SL-1, SL-2, SL-4, SL-5, and SL-8. The contents of this drum were included in Group F. Not all of the sludge from these locations was consolidated. Any sludge remaining in the original locations was included in the groups as listed above.

Sludges SL-17, SL-18, SL-20, and SL-21, shown on Figure 1, were consolidated during predesign activities, into Group D, as debris soil. A composite sample taken from Group D during the debris soil sampling. The sample was analyzed for full TCLP, RCRA Characteristics, pesticides, and PCBs.

Sludge at location SL-19, shown on Figure 1, was consolidated during predesign activities and sampled with the debris soil as Group E. The sample was analyzed for full TCLP, RCRA Characteristics, pesticides, and PCBs.

Sampling, packaging and shipment of samples, and sampling equipment decontamination were performed in accordance with procedures outlined in the SAP (RETEC, 1992). Aliquot samples were taken from each sludge locations in a group and placed into a 5 gallon bucket. Once

aliquots were taken from each sludge location within the group, the aliquots were mixed thoroughly. One 250-ml composite sample was taken from the mixture of aliquots. Three 250-ml samples in all were collected, one from each group, and sent to New England Testing Lab to be analyzed. The samples were analyzed for full TCLP, corrosivity, reactivity, ignitability, toxicity, pesticides, PCBs, Total Petroleum Hydrocarbons (TPH), and total Halogens (TOX). These samples consisted of four 250-ml sample jars for each group.

Sample results from sludge Groups D and E are included as attachments. The sampling of sludge Groups D and E was done in conjunction with debris soil "A". For a complete explanation of this material, refer to Section 2.3.

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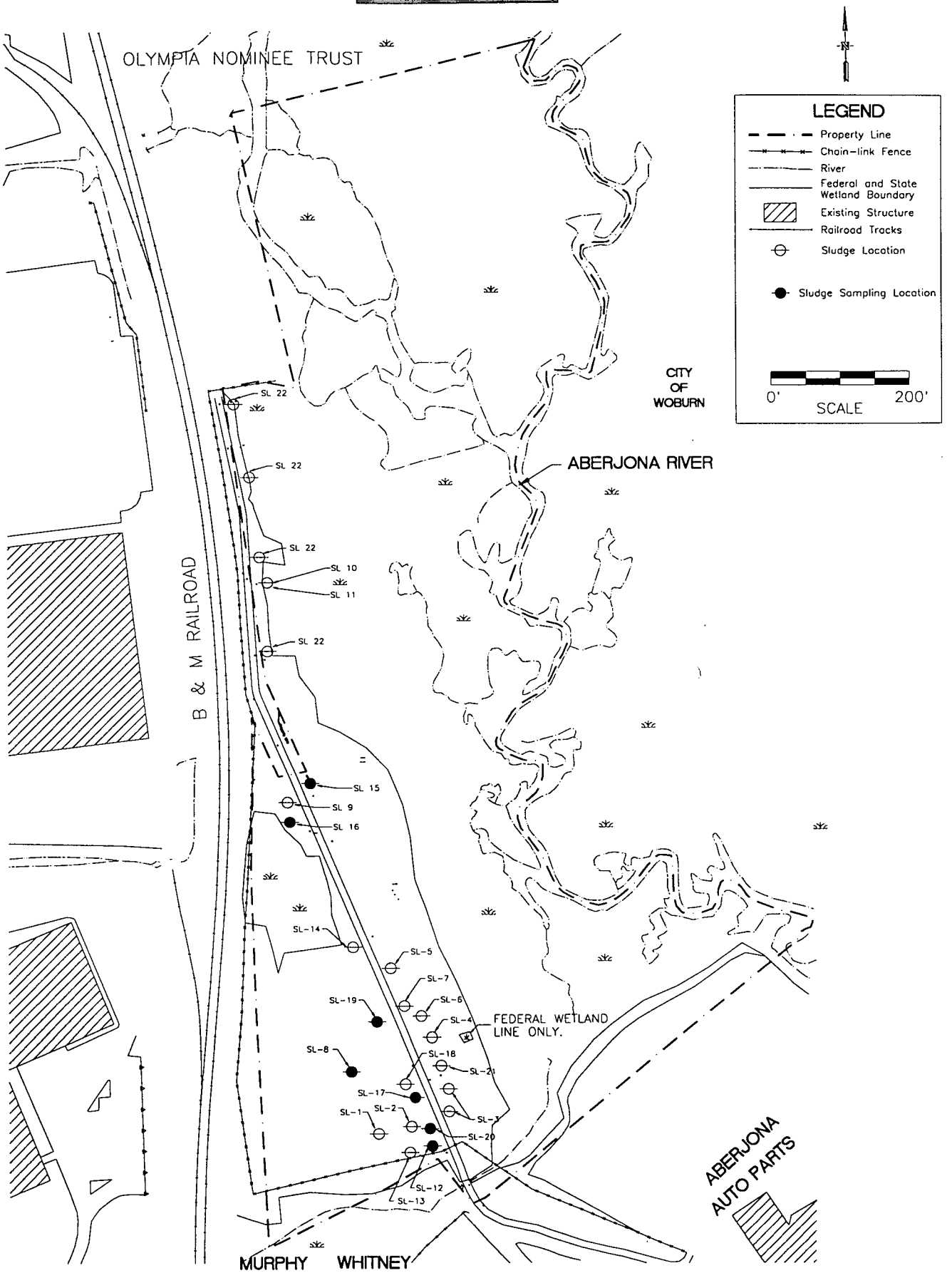

REVISED SLUDGE LOCATION MAP

FIGURE 1

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TABLE 1
Sludge Characterization Summary
Wildwood Property, Wells G & H Superfund Site

Physical Description	I.D. Number	Volume (Cubic Yards)	Percent Organic	Primary Constituents	Characterization
Black Viscous Sludge	SL-1	0.2		Chlordane PAHs	Petroleum Residue
Black Viscous Sludge	SL-2	6		Bis (2-Ethylhexyl) Phthalate 4,4-DDT	Petroleum Residue
Black Viscous Sludge	SL-10/11	8		PAHs	Petroleum Residue
Black Viscous Sludge	SL-13	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-14	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-19	9		Not analyzed	Petroleum Residue
Black Crusty Sludge	SL-3	43		Bis (2-Ethylhexyl) Phthalate PAHs	Petroleum Residue
Black Crusty Sludge	SL-4	0.1		Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Crusty Sludge	SL-5	19.0		No VOC or mixed constituents of concern above cleanup criteria	Petroleum Residue
Black Crusty Sludge	SL-6/7	37		Pyrene Benzo(a)pyrene Toluene	Petroleum Residue
Black Crusty Sludge	SL-8	2.4		4,4-DDT Bis (2-Ethylhexyl) Phthalate Pentachlorophenol Tetrachloroethene	Petroleum Residue
Black Crusty Sludge	SL-9	3		Chlordane Benzoil Acid Xylenes Bis (2-Ethylhexyl) Phthalate Phenol Ethylbenzene	Petroleum Residue
Black Crusty Sludge	SL-15	12.0	25%	Asphaltic/Polymeric Resin	Petroleum Residue
Grey-White Powder	SL-22	Not estimated		Barium Sulfide	Barium Sulfide
Yellow Powder	SL-17	4.0	<1%	Lead, Chromium	Paint Pigment
Yellow Powder	SL-18	1.0		Not analyzed	Paint Pigment
Yellow Powder	SL-21	0.1		Not analyzed	Paint Pigment
Green Sludge	SL-20	3.0	97%	Alkyd Polymers	Paint Residue
Turquoise Brittle Solid	SL-15	1.0	24%	Aromatic Esters	Dye or Pigment
Yellowish-White Gel	SL-8	0.5	100%	Petroleum Hydrocarbons	Petroleum Grease
Blue Solid	SL-21	0.1		Not analyzed	Unknown
Brown Hard Plastic	SL-16	4	34%	Polyvinyl Polymer	Pigmented Plastic
Light Brown Cellulose	SL-12	17	100%	Cellulose	Waste Filter Media

REPORT OF ANALYTICAL RESULTS

Case Number: D0513-17

Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Andy Gates

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 24 MAY 1993

Reviewed By: _____
Mark H. Bishop
Laboratory Director

Sample Description

The following samples were submitted to New England Testing Laboratory on 13 MAY 1993:

"Wells G & H/Woburn, MA"

1. Group F
2. Group G
3. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0513-17

Request for Analysis

The following table details the analyses performed on the samples:

Sample	Analysis	Method*
D0513-17:		
1. Group F	Corrosivity-pH	9040
2. Group G	Reactivity-CN	Section 7.3.3.2
3. Group H	S	Section 7.3.4.1
	Ignitability	1010
	Pesticides/PCB's	8080
	Total Petroleum Hydrocarbons	8015 Mod.
	Total Halogens	ASTM E442
	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
	Pesticides	8080
	Herbicides	8150

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

ASTM Volume 9.01 Rubber, Natural and Synthetic - General Test Methods; Carbon Black

ASTM Volume 15.05 Engine Coolants; Halogenated Organic Solvents; Industrial Chemicals

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0513-17

Group F

Parameter	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.3
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	24,300
Total Halogens	586

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Analyzed*: 5/17/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	1.7	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	23	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Analyzed: 5/19/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	91	88-110
1,2-Dichloroethane-d4	87	76-114
4-Bromofluorobenzene	92	86-115

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	0.11	0.03
2,4-D	<0.25	10.0
Endrin	<0.005	0.02
Heptachlor	<0.005	0.008
Heptachlor Epoxide	<0.005	0.008
Lindane	<0.005	0.4
Methoxychlor	<0.025	10.0
Toxaphene	<0.05	0.5
2,4,5-TP Silvex	<0.25	1.0

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	71	35-114
2-Fluorobiphenyl	73	43-116
p-Terphenyl d14	109	33-141
Phenol d6	54	10-94
2-Fluorophenol	49	21-100
2,4,6-Tribromophenol	90	10-123

Sample: Group F

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	9900	<125
4,4'-DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

Case No. D0513-17

Group G

Parameter	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	9000
Total Halogens	346

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Analyzed*: 5/17/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	<0.5	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	1.3	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Analyzed: 5/19/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	0.51	0.7
Trichloroethylene	0.08	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	93	88-110
1,2-Dichloroethane-d4	89	76-114
4-Bromofluorobenzene	94	86-115

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	76	35-114
2-Fluorobiphenyl	83	43-116
p-Terphenyl d14	115	33-141
Phenol d6	55	10-94
2-Fluorophenol	54	21-100
2,4,6-Tribromophenol	77	10-123

Sample: Group G

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	642	<125
4,4'-DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

Case No. D0513-17

Group H

Parameter	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	6.6
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	22,700
Total Halogens	952

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Analyzed*: 5/17/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	<0.5	100.0
Cadmium	0.12	1.0
Chromium	0.25	5.0
Lead	2.9	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Analyzed: 5/19/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	0.03	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	97	88-110
1,2-Dichloroethane-d4	77	76-114
4-Bromofluorobenzene	90	86-115

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	0.02	0.03
2,4-D	<0.10	10.0
Endrin	<0.002	0.02
Heptachlor	<0.002	0.008
Heptachlor Epoxide	<0.002	0.008
Lindane	<0.002	0.4
Methoxychlor	<0.01	10.0
Toxaphene	<0.02	0.5
2,4,5-TP Silvex	<0.10	1.0

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	71	35-114
2-Fluorobiphenyl	77	43-116
p-Terphenyl d14	106	33-141
Phenol d6	59	10-94
2-Fluorophenol	55	21-100
2,4,6-Tribromophenol	90	10-123

Sample: Group H

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	2310	<125
4,4'-DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

CUSTODY RECORD

CHAIN OF CUSTODY RECORD

D0513-1

PROJ. NO.	PROJECT NAME
30947	Wells G+H Woburn, MA

SAMPLERS: (Signature)

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	RCRA Characteristics	Pesticides/PCBs	TPH (GC)	Total Halogens		REMARKS
Group F	5/12/93	3:40	Group F	1	X	X	X	X	X		
Group G	5/12/93	16:25	Group G	1	X	X	X	X	X		
Group H	5/12/93	3:20	Group H	1	X	X	X	X	X		

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	5/12/93 5:00	VIA FEDEX 666959950 6			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		
		[signature]	5/13/93		

REMARKS:

REMEDIATION TECHNOLOGIES INC
REMEDIATION TECHNOLOGIES
Damonmill Square
9 Pond Lane
Concord, MA 01742

Case No. D0210-05

Grp. D Rolloff Box 13 & Stockpiled Soil

Parameter	Result, mg/Kg
Reactivity	
Sulfide	1.1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. D Rolloff Box 13 & Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	1.36	100.0
Cadmium	0.36	1.0
Chromium	0.27	5.0
Lead	0.66	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. D Rolloff Box 13 & Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/10/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	91	88-110
1,2-Dichloroethane-d4	93	76-114
4-Bromofluorobenzene	102	86-115

Sample: Grp. D Rolloff Box 13 & Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. D Rolloff Box 13 & Stockpiled Soil

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	82	35-114
2-Fluorobiphenyl	88	43-116
p-Terphenyl d14	85	33-141
Phenol d6	44	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	98	10-123

Sample: Grp. D

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 0.84 mg/Kg

Case No. D0210-05

Grp. E Dumpster 14,15,16

Parameter	Result, mg/Kg
Reactivity	
Sulfide	1.9
Cyanide	<0.3
Corrosivity	
pH, S.U.	4.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	0.51	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.2	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:	% Recovery	Limits
Toluene d8	92	88-110
1,2-Dichloroethane-d4	102	76-114
4-Bromofluorobenzene	110	86-115

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. E Dumpster 14,15,16 Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	Limits
Nitrobenzene d5	80	35-114
2-Fluorobiphenyl	83	43-116
p-Terphenyl d14	98	33-141
Phenol d6	39	10-94
2-Fluorophenol	62	21-100
2,4,6-Tribromophenol	100	10-123

Sample: Grp. E

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting Limit
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 1.1 mg/Kg

CUSTODY RECORD

CHAIN OF CUSTODY RECORD

D0210-05

PROJ. NO.	PROJECT NAME
0947	WELLS G&H

SAMPLERS: (Signature) Dale Keith

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS		Full TCLP	RCRA CHAR.	PCB's			REMARKS
GRP B	2-8-93	5:00	ROLLOFF BOXES 6-11	1		X	X	X			
GRP C	2-9-93	9:45	ROLLOFF BOX 12	1		X	X	X			
GRP D	2-9-93	10:35	ROLLOFF BOX 13 + STOCKPILED SOIL	1		X	X	X			
GRP E	2-9-93	11:35	DUMPSTER 14, 15, 16	1		X	X	X			

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Dale Keith	2-9-93 3:00	SHIPPED VIA FED EX AIRBILL #6695981776			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		
		AMANDA MCCLAIN	2/10/93		

REMARKS:

REMEDIATION TECHNOLOGIES INC

REMEDIATION TECHNOLOGIES
Damonmill Square
9 Pond Lane
Concord, MA 01742

Attachment I-1

Waste Profile Sheet

Group F

Hazardous Sludge

Address Change per C. Williams 4/26/94

ENVIROSAFE SERVICES OF OHIO, INC.

876 OTTER CREEK RD. P.O. Box 167571
OREGON, OHIO 43616-7571 U.S. EPA I.D. No. OHD045243706

Generator's Area Code: 617

GENERATOR-STREAM NUMBER: 15698-001

WASTE PRODUCT QUESTIONNAIRE

Direct Telephone 419-255-5100 Toll Free (Ohio) 800-472-0414 Toll Free (Outside Ohio) 800-537-0426 Telefax 419-255-8028

SECTION A - GENERATOR DATA

1. Generator: Beatrice Co.
Address: ~~208 S. LaSalle St~~ / 246 Rear Salem
City/State: ~~Chicago, IL~~ / Woburn, MA Zip: 01801 60604
Tech. Contact: Jamie Greccn Tel: (508) - 371 1422 Fax: (508) - 369 5277
2. EPA I.D.: MP6179355523 3. SIC:
4. Billing/Broker: Remediation Technologies Inc.
Address: 9 Pond Lane
City/State: Concord MA Zip: 01742
Billing Contact: Jamie Greccn (Agent for Beatrice) Tel: (508) - 371 1422 Fax: (508) - 369 5277

Envirosafe Services Only
ESOI CUST #: 10145
☐ ESOI ☑ ESAI
Sales Territory: 401 Area Code: 617
ESAI Gen-Stream Number:
ESAI CUST #: 15699
Acceptance Codo: A C P
Laboratory Test Code: ☐ ☑
Update Analysis Code: N D
Generator State Code: 1 1

SECTION B - WASTE DESCRIPTION

Form 92-2

1. Common Name for This Waste: Contaminated Soil
2. Process Generating This Waste: Site Remediation

3. Annual Quantity:
1 ☐ Tons
2 ☒ Yards 50
3 ☐ Drums

4. Shipment Duration:
1 ☐ Permanent (1 Year or Longer)
2 ☐ Temporary (Less Than 1 Year)
3 ☒ One Time Disposal

5. Shipment Mode:
1 ☒ Bulk
2 ☐ Palletized Boxes
3 ☐ Woven Cloth Bags
4 ☐ Metal Drums
5 ☐ Other - Explain in Section H

SECTION C - PHYSICAL PROPERTIES

1. Describe Physical State at 70° F:
1 ☐ Dry Solid 2 ☒ Damp Solid 3 ☐ Semi-Solid / Gel 4 ☐ Flowable Liquid 6 ☐ Labpack

2. Describe Load Bearing Strength at 70° F:
1 ☐ Solid / Rigid 2 ☒ Sludge 3 ☐ Weak / None

2.1 Penetrometer PSI: N.T. JW 8-2-94
2.2 % Solids @105°C: ≈90% Per 8-12-94

3. Describe Physical Appearance of Waste (Include Color, Variations): Soil contaminated with black TAR

4. Apparent Density of Waste: 3000 Lb/Cu. Yard

5. Flash Point (TAG or Setaflash Closed Cup):
1 ☐ 25-70° F 2 ☐ 70-100° F 3 ☐ 100-140°F 4 ☒ >140°F

5.1 Actual Flash Point: > 200 °F
5.2 Combustible: 1 ☐ Yes 2 ☒ No

6. pH (10 % Slurry in Distilled Water for Solids):
1 ☐ < 2.0 2 ☐ 2.0-5.0 3 ☒ 5.0-10.0 4 ☐ 10.0-12.5 5 ☐ > 12.5

6.1 Actual pH (S.U.): 5.3

7. Describe Odor of Waste:
1 ☒ None 2 ☐ Slight 3 ☐ Strong

8. Describe Temperature of Waste at Time of Disposal:
1 ☒ Ambient -100° F 2 ☐ 100-140° F 3 ☐ >140° F

SECTION D - WASTE COMPOSITION

GENERATOR-STREAM NUMBER: 15698-001

1. List all components within the waste stream by percentage. Page 2
Account for 100 percent of waste in the TYPICAL % column.

		RANGE %	TYPICAL %
1.	Soil	-	88.94
2.	WATER (bound)	-	7
3.	Chlordane	-	1
4.	Total halogens	-	0.06
5.	Total Petroleum hydrocarbons	-	3
6.		-	
7.		-	
8.		-	
9.		-	
10.		-	

SECTION E - ANALYTICAL REPORT SAMPLING CERTIFICATION

U.S. EPA SW-846 methods are required for all RCRA-mandated testing. Include dated laboratory report for all values reported.

1. Values reported are: 1 [X] Actual 2 [ ] Highest 3 [ ] Lowest 4 [ ] Average 5 [ ] Other ____

2. Describe sampling devices used: Hand Auger

3. Sample collection method: 1 [ ] Grab 2 [X] Composite 3 [ ] Other ____

Circle or List A,B,C-> PARAMETER Column 1	Total (A) EP-Tox (B) TCLP (C)	Analysis Method Reference	Circle or List-> PARAMETER Column 2	mg/L (D) mg/Kg (E) Other (F)	Analysis Method Reference	Circle or List A,B,C ---> PARAMETER Column 3	Total (A) EP-Tox (B) TCLP (C)	Analysis Method Reference
Antimony			Cyanide Total			•Acetone		
Arsenic	<0.1	6010	Cyanide Amen			•Butanol		
Barium	1.7	6010	HCN @ pH 2.0	<0.03	1.3.3.2	•Carbon Disulfide		
Beryllium			Sulfide Total			•Carbon Tetrachloride	<0.02	8240
Cadmium	<0.05	6010	Sulfide Free			•Chlorobenzene	<0.02	8240
Chromium (hex)			H2S @ pH 2.0	<1.0	1.3.4.1	•Cresols- [o], [m], [p]	<0.1	8270
Chromium (total)	<0.05	6010	Phenolics			•Cresylic Acid		
Copper			Chloride			•Cyclohexanone		
Lead .72 - 9%	2.30	6010	Fluoride			•1,2-Dichlorobenzene		
Mercury	<0.005	7470	Phosphate			•Ethyl Acetate		
Nickel			Sulfate			•Ethyl Benzene		
Selenium	<0.1	7740	Nitrate-N			•Ethyl Ether		
Silver	<0.05	6010	Nitrite-N			•Isobutanol		
Thallium			Ammonia-N			•Methanol		
Zinc			Kjeldahl-N			•Methylene Chloride		
Endrin	<0.005	8080	Oil & Grease			•Methyl Ethyl Ketone	<0.5	8240
Lindane	<0.005	8080	TOC (Carbon)			•Methyl Isobutyl Ketone		
Methoxychlor	<0.025	8080	TOX (Halogen)	SEE AE	E442.	•Nitrobenzene	<0.05	8270
Toxephene	<0.05	" "	PCB's	NDAG	8080	•Pyridine	<0.05	8270
2,4-D	<0.25	8080	HOC's - (268)			•Tetrachloroethylene	<0.02	8240
2,4,5-TP (Silvex)	<0.25	" "				•Toluene		
Chlordane	0.11	8080				•1,1,1-Trichloroethane		
Heptachlor & its-OH	<0.005	8080				•Trichlorotrifluoroethane		
Hexachlorobenzene	<0.05	8270				•Trichloroethylene	<0.02	8240
Hexachloroethane	<0.05	" "				•Trichlorofluoromethane		
HexaCl-1,3Butadiene	<0.05	8270				•Xylene(s)		
2,4,5-Trichlorophenol	<0.1	8270				Benzene	<0.02	8240
2,4,6-Trichlorophenol	<0.1	" "				1,1,2-Trichloroethane		
Pentachlorophenol	<0.1	8270	pH-10% Slurry	5.3	9040	2-Ethoxyethanol		
2,4-Dinitrotoluene	<0.05	8270	Flash Point	>200°F	1010	2-Nitropropane		
Sample Prep. Method	SW-846:		Sample Prep. Method		SW-846:	Chloroform	<0.02	8240
EP-Toxicity Extraction	1310/3010					1,4-Dichlorobenzene	<0.02	8240
TCLP Extraction	[illegible] 5EC					1,2-Dichloroethane	<0.02	8240
						1,1-Dichloroethylene	<0.02	8240

SECTION J - GENERATOR CERTIFICATION

GENERATOR-STREAM NUMBER: 15698-001

Page 4

1. GENERATOR CERTIFICATION STATEMENT:

I hereby certify that as an authorized representative of the generator named herein, to the best of my knowledge all information submitted in this and all attached documents is true and accurate. I certify that a representative sample (if any) of the waste described herein was collected and analyzed according to the methods on this form and all known and suspected hazardous components have been included in the documentation.

Are the transportation or disposal services to be performed by ESOI subject to any prevailing wage requirements? ☐ Yes ☒ No

If yes, describe the requirement(s) in Section H, and attach a schedule of the prevailing wages.

No comment per Jessica 1-12-94 JW

2. GENERATOR SIGNATURE: James R Greacen DATE: 1-12-94

James Greacen (Agent for Beatrice) NAME (Printed or Typed) — TITLE — Remediation Technology COMPANY

SECTION K - ENVIROSAFE SITE USE ONLY

01. X Normal Operating Hours: 6:45 AM - 3:30 PM. Drums, Bags, Boxes and Special Handling 7:00 AM - 2:00 PM
02. X Gen-Stream Number Must Appear on Each Manifest Required by EPA or DOT; ERC Document, Phone & Route Information
03. X Bulk Tonnage Disposal Charges Will be Billed by the Cubic Yard if Waste Density is Less Than 2000 Pounds per Cubic Yard
04. ___ Acceptance Ends ___ ___ ___ ___ 19___; Provide Initial WMA Report to OEPA by ___ ___ ___ ___ 19___ To Continue
05. ___ Generator Must Provide Updated Analysis ___ ___ ___ ___ 19___ and Annually Thereafter; Retest if Waste Changes
06. X pH of a 10% Slurry of Waste in Distilled Water Must be at Least 5 but Less Than 12.5 by ESOI Methods
07. X Flash Point of Incoming Material Must Be 7140 °F or Greater by ESOI Methods
08. X Bulk No Unauthorized Materials or Free Liquids
09. X Bulk Scheduling Requirements
10. ___ Bulk GSN's Prohibition on Mix Without Authorization
11. ___ General Bulk Waste Mixing Instructions
12. X Bulk Must Contain Sufficient Moisture to Supress Dust
13. ___ Woven Cloth Bags: Acceptance Requirements
14. ___ Palletized Boxes; Acceptance Requirements
15. X Material Solid, Non-flowable & Penetrometer Standard
16. X Miscellaneous Debris 3 Feet Dimensional Limit
17. ___ ESOI has Stds. for Odor, Temperature & Liquid Stability
18. ___ Odoriferous Waste May Not be Acceptable
19. ___ Cyanide or Sulfide Concentration Limit Requirements
20. ___ PCB Concentration Limit Requirements
21. ___ Landfill Isolation Requirements
22. ___ Generator Must Schedule Containers, Obtain Accp. No.
23. ___ GSN Stenciled on Each Drum or Container (Top, Side)
24. ___ Drums No Free Liquid, Void Space, Metal, < 800 Pounds
25. ___ Containerized Material Must be Solid, Non-flowable
26. X Requirements for Land Restricted Waste E, X, M - TC Toxic Org Fecal)
27. X ESI Corporate Approval for Restricted Waste Required
28. ___ Participation in Envirosafe Analysis Plan ___
29. ___ Heat Generation in Contact With Water Requirements
30. ___ Caustic Concentration Limit Requirements
31. ___ Gas Generation in Contact With Water Requirements
32. ___ Standard Conditions for Custom Asbestos
33. ___ Standard Conditions for Generic Asbestos
34. ___ Standard Conditions for Custom Labpacks
35. ___ Standard Conditions for Generic Labpacks
36. X Consent-To-Service Form Required
37. ___ Submit or Correct Sampling & Analysis Certification
38. ___ Submit or Correct HSWA Profile Checklist
39. ___ Standard Conditions for Non-Hazardous Industrial Waste
40. ___ Stabilization-Treatment Mix Design Price & Adjustment
41. ___ Stabilization-Treatment Waste Constituent Conformance
42. ___ PreAcceptance Sample Requirements
43. ___ Narrative Description Acceptance Requirements

1/19/94

44. Prior to release of GSN, generator must provide power of attorney for Remediation Technologies authorizing them to profile, manifest and certify waste disposal. As an alternative, generator must sign page 4 of the WPP.

Jennifer K. Wade 1.12.94 Client Service Rep
SIGNATURE — DATE — TITLE

SECTION L - REGULATORY AGENCY USE ONLY

1. ACCEPTANCE STATUS:

1 ☒ Accepted (ACP) 2 ☐ Conditional (CON) 3 ☐ Withheld (WHO) 4 ☐ Acceptance Denied (DNY)

2. CONDITIONS FOR ACCEPTANCE OR REASONS FOR DENIAL:

E J W Dean 1-18-94 ES-2 OEPA
SIGNATURE — DATE — TITLE — AGENCY

Attachment I-2

Waste Profile Sheet
Groups G & H
Non-Hazardous Sludge

BFI® Waste Systems™
BROWNING-FERRIS INDUSTRIES

WCD No. AB 18339

/ / /
BFI WASTE CODE

WASTE APPROVAL REQUEST

BFI to complete this area.

BFI Initiator: _____
Location: _____
Company Number: _____
Telephone: ( ) _____
Fax: ( ) _____
Date: _____

Action Requested: ☐ New Waste Approval
☐ Up-Date Approval - Previous Number: _____
Disposal Site Requested: _____
Company Number: _____
Management Method Requested: ☐ Landfill ☐ Hauling
☐ Other _____

WASTE CHARACTERIZATION DATA SPECIAL WASTE

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.

1. GENERATOR INFORMATION

a) Generator's Name: Beatrice Company
b) Generating Facility's Address: 246 R. Salem St
City: Woburn State: MA Zip: 01801
c) Generator's Representative: Jamie Greacen
Title: Project Manager
Telephone: (508) 371-1422
Fax: (508) 369-9279
d) Emergency/Information Contact: Jamie Greacen
Title: Project Manager
Telephone: (508) 371-1422

e) State/Provincial/Local Registration No.: _____
Generator's EPA Id. No.: MP6179355523
Industry Description/SIC Code: _____

f) Customer's Name: Beatrice Company
g) Customer's Mailing Address: Care of Retec
City: Concord State: MA Zip: 01742
h) Representative: James Greacen
Telephone: (508) 371-1422
Fax: (508) 369-9279

2. GENERAL WASTE STREAM INFORMATION

a) Name/Description of The Waste: Contaminated Soil
b) Process Generating Waste: Remediation of a Superfund Site

c) Is this a treatment residue of a waste which was previously a restricted hazardous waste? ☐ Yes ☒ No
If yes, describe the waste and the process generating the waste prior to treatment. _____
d) Is this a "Hazardous Waste" as defined by State, Provincial, or local Regulations? ☐ Yes ☒ No
If yes, enter the Waste Identification Number if one has been assigned: _____
e) Is this a "Special Waste", an "Industrial Process Waste", or a "Pollution Control Waste" as defined by State, Provincial, or local Regulations?
☐ Yes ☒ No If yes, enter Waste Identification Number: _____
f) Recommended personal protection equipment and special handling procedures: _____

g) Anticipated Volume: 155 ☒ Cubic Yards ☐ Tons ☐ Gallons ☐ Cubic Meters ☐ Tonnes(metric)
Other _____ Per: ☐ Year ☐ Month ☐ Week ☐ Day ☒ One Time ☐ Other _____
To be transported in: ☒ Bulk ☐ Drums (type/size) _____ ☐ Other _____
h) Is a representative sample included? ☐ Yes ☒ No

3. WASTE PROPERTIES AT 72°F

a) Physical State:
☒ Solid ☐ Semi-solid
☐ Powder ☐ Liquid
☐ Combination

b) Layers:
☒ Single-layered ☐ Bi-layered ☐ Multi-layered

c) Colors(s):
Describe Brown

d) Odor:
Describe _____
☒ None ☐ Mild ☐ Strong

e) Density Range: 2800 to 3200
☐ N/D ☐ lbs/gal. ☐ g./cc.
☒ lbs./yd.^{3} ☐ Kg/m^3 ☐ Other

f) Flash Point, °F:
☐ ≤ 72 ☐ 73-100 ☐ 101-140
☐ 141-200 ☒ ≥ 201 ☐ N/A ☐ N/D

g) pH:
☐ ≤ 2 ☐ 2.1 - 5.0 ☒ 5.1 - 9.0
☐ 9.1 - 12.4 ☐ ≥ 12.5 ☐ N/A ☐ N/D

/ / /

BFI WASTE CODE

4. REACTIVITY

Note if the waste exhibits any of the following reactive properties:

- ☐ Water Reactive
- ☐ Acid Reactive
- ☐ Alkaline Reactive
- ☐ Oxidizer
- ☐ Autopolymerizable
- ☐ Pyrophoric
- ☐ Explosive
- ☐ Thermally Sensitive
- ☐ Shock Sensitive
- ☒ None of the above

5. THIS WASTE CONTAINS

Note if the waste contains any of the following: If any are checked "Yes", specify type (if applicable) and include its concentration as part of the waste composition, Section 6.

- ☐ Free Liquids
- ☐ Free Cyanide
- ☐ Free Sulfide
- ☐ Free Ammonia
- ☐ Dioxins
- ☐ Organic Solvents
- ☐ Virgin Oils
- ☐ Used Oils
- ☐ OSHA Substances
- ☐ Etiological Agents
- ☐ Pathogens
- ☐ Biological Materials
- ☐ Radioactive Materials
- ☐ PCBs not regulated by TSCA 40 CFR 761
- ☒ None of the Above

6. SPECIAL WASTE COMPOSITION

Concentration ranges are suggested and units must be identified in percentages (%) and/or parts per million (ppm). Attach additional pages if necessary.

Components	Range Min. / Max.
Soil	94.9%
water	5.0%
chlordane	0.1%

7. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: N/A

USDOT Hazard Class: _____ UN or NA Number: _____ CERCLA Reportable Quantity: _____

8. SUPPLEMENTAL INFORMATION

☐ None ☐ MSD Sheets ☒ Analytical Data ☐ Chain of Custody ☐ Memo/Letter ☐ Waste Composition

☐ Other - describe: _____ No. of Pages: _____

9. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exist, that all known or suspected hazards have been disclosed, and that the waste is not a regulated hazardous waste by the USEPA, by an applicable State or Provincial authority, or by any applicable local authority, and does not contain PCBs regulated by TSCA (i.e., 40 CFR 761) or any Provincial authority.

GENERATOR'S AUTHORIZED SIGNATORY as identified in Section 1 (c):

DATE	PRINT NAME	SIGNATURE	TITLE
3-1-94	James Greacen	X James R Greacen	Project Manager

REPRESENTATIVE SAMPLE CERTIFICATION

This Section is to be completed by the person obtaining the sample of the above described waste.

I certify that the sample for which analytical data was provided on the waste described above is representative of that waste and was collected and preserved in a manner consistent with accepted technical standards.

Lab sample assigned to: NETL

Collector's Name: Andy Gates

Signature: [signature]

Company: RETEC

Title: Project Engineer

Telephone Number: (505) 371-1422

Date Collected: 5-12-93

(peel off label)

Generator's Name: _____

Waste Description: _____

Date Collected: _____

WCD No. AB 18339